

Queensland

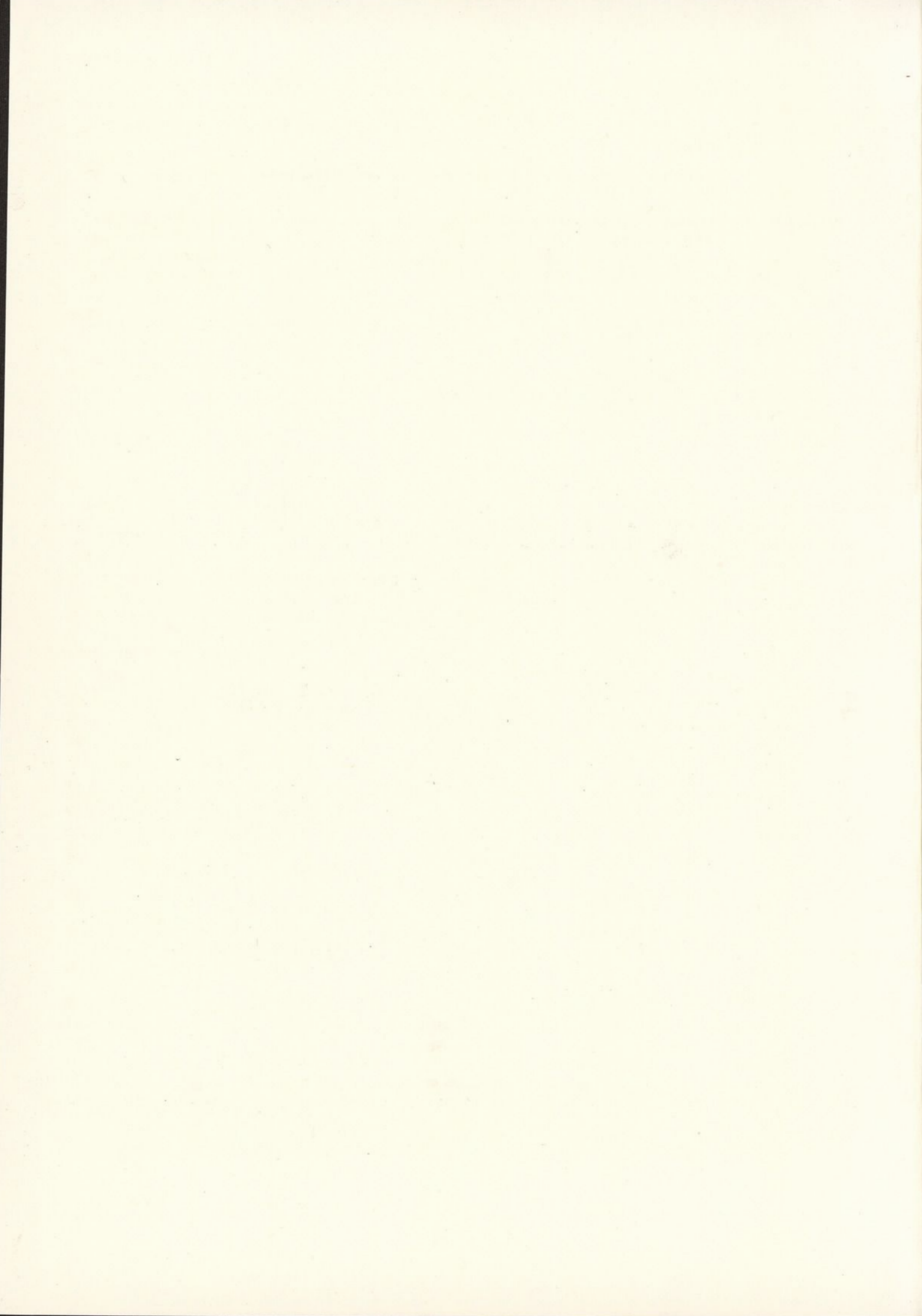


**Australian  
Bureau of  
Statistics**

# **THE LABOUR FORCE**

**MAY 1988**

Catalogue No. 6201.3





# THE LABOUR FORCE, QUEENSLAND, MAY 1988

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## Explanatory Notes

## Introduction

This publication contains estimates of the civilian labour force derived from the labour force survey part of the monthly population survey, including estimates for Queensland regions.

2. Detailed maps of the Queensland labour force dissemination regions are presented in this publication. Users should note that from September 1987 significant changes were made to the number and composition of all labour force regions in Queensland.

3. Although emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request.

## The Population Survey

4. The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers slightly more than three-fifths of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of 2 weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

## Scope

5. The labour force survey includes all persons aged 15 years and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
- (c) overseas visitors holidaying in Australia and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

## Coverage

6. In the labour force survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. The coverage rules are, necessarily, a balance between theoretical and operational considerations. Nevertheless, the change of a person being enumerated at two separate dwellings in the one survey is considered to be negligible. See paragraphs 29 to 31 for information about the effect of the coverage rules on family statistics.

7. Persons who are away overseas from their usual residence for less than 6 weeks at the time of interview are generally enumerated at their usual residence when relevant information can be obtained from other usual residents present at the time of the survey. Persons who, at the time of interview, are overseas for 6 weeks or more but for less than 12 months are included in the estimates on the assumption that their labour force characteristics are similar to those of the persons responding in the survey.

## Definitions

8. The labour force category to which a person is assigned depends on the actual activity (i.e. whether working, looking for work, etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

9. Employed persons comprise all those aged 15 years and over who, during the survey week:

- (a) worked for 1 hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than 4 weeks up to the end of the



## Explanatory Notes (continued)

## Definitions (continued)

Employed persons (continued)

survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than 4 weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job or receiving wages or salary while undertaking full-time study or

- (d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

10. Full-time workers are those who usually work 35 hours or more a week and others who, although usually part-time workers, worked 35 hours or more during the survey week.

11. Part-time workers are those who usually work less than 35 hours a week and who did so during the survey week.

12. Hours of work. The figures of average hours refer to actual hours worked during the survey week, not hours paid for. They may be affected by public holidays, leave or absenteeism; temporary absence from work due to sickness, injury, accident and industrial disputes and stoppages of work due to bad weather, plant breakdown, etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather or plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculations.

13. Unemployed persons are those aged 15 years and over who were not employed during the survey week, and:

- (a) had actively looked for full-time or part-time work at any time in the 4 weeks up to the end of the survey week and:

- (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the survey week); or

- (ii) were waiting to start a new job within 4 weeks from the end of the survey week and would have started in the survey week if the job had been available then; or

- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

14. Persons actively looking for work includes those writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service notice-boards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work and contacting friends or relatives.

15. Unemployed persons looking for first job are those who had never worked full-time for 2 weeks or more.

16. The unemployment rate for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

17. Duration of unemployment is the period from the time the person began looking for work or was laid off to the end of the survey week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for 2 weeks or more to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration.

18. Median duration of unemployment is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other comprising persons whose duration is below it.

19. Unemployed persons classified by industry and occupation. Unemployed persons who had worked full-time for 2 weeks or more in the last 2 years are classified according to the industry and occupation of their most recent full-time job.

20. The labour force comprises all persons who, during the survey week, were employed or unemployed, as defined above.

21. The labour force participation rate for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.

22. Persons not in the labour force are those who, during the survey week, were not in the categories employed or unemployed as defined. This category therefore includes persons who were keeping house (unpaid), retired or voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation.

23. Specific surveys of persons not in the labour force indicate that a number of persons want to work but are not classified as unemployed because they were not looking for work or were not available to begin work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.



Definitions (continued)

24. Persons attending school or a tertiary educational institution. Persons attending school comprise those aged 15 to 19 years who, during the reference week, were enrolled full-time at secondary or high schools. Persons attending a tertiary education institution, comprise those aged 15 to 24 years who were enrolled full-time at universities, colleges of advanced education, technical colleges, colleges of technical and further education and theological colleges. Excluded are persons enrolled at coaching and business schools. Persons attending school or a tertiary educational institution are classified as in the labour force if they were employed or unemployed as defined above. In tables classified by attendance at school or a tertiary educational institution, persons in hospitals, gaols, etc. are included in the category 'not in the labour force, attending neither school nor a tertiary educational institution full-time'.

25. Marital status. In the labour force survey, persons are classified as married or not married. Marital status is determined from information supplied by the respondent about the individual himself or herself and, where the person was reported as being married, about the living arrangements of persons usually resident in the household. Marital status does not therefore necessarily reflect legal status. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category includes persons who have never married, or are widowed, separated or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household. Persons who live in a de facto relationship but do not volunteer this information when asked whether they are married, are classified as not married.

26. Industry classification. Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.

27. Occupation classification. Occupation is classified according to the Australian Standard Classification of Occupations (ASCO), 1986, which replaced the Classification and Classified List of Occupations (CCLO), Revised November 1980, used in the surveys prior to August 1986.

28. The new classification relies on the level and specialisation of skill required to perform primary tasks satisfactorily as its classificatory variable and is therefore significantly different from the previous classification. Detailed information on the ASCO classification and structure is contained in the publication 'ASCO Statistical Classification' (Catalogue No. 1222.0).

29. Family status. As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their family status and the estimation of families.

30. Because of the coverage rules of the population survey which associate persons with particular dwellings so that each person has an equal chance of selection in

the survey, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, caravan parks, hospitals, etc.). The determination of family structure and family characteristics in such cases is most difficult. Thus, family information was not obtained for the following persons:

- (a) all persons enumerated in non-private dwellings (including hotels, motels and hospitals and other institutions); and
- (b) persons enumerated as visitors to (rather than usual residents of) private dwellings.

31. In addition, in those private dwellings where it was not possible to obtain information relating to all the usual residents, no family information was recorded. Thus the family characteristics of persons living in families which include a member of the permanent defence forces, who is outside the scope of the population survey, are not determined because family information could not be obtained from each usual resident. Similarly, families which at the time of the survey have one or more of their members away from the usual residence, are also excluded from family determination. A summary of those persons for whom family information was obtained, as well as those usual residents of private dwellings for whom complete family information could not be obtained, and those persons specifically excluded from the family determination procedures is contained in the family tables. Generally, family status is determined for more than 90 per cent of all civilians aged 15 years and over.

Population Benchmarks

32. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey, and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in the ABS publication 'Australian Demographic Statistics Quarterly' (Catalogue No. 3101.0) because they are necessarily derived from incomplete information about population changes.

33. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

34. While this procedure can be expected to provide reliable estimates of unemployment and participation rates, it cannot be taken as completely reliable for



## Explanatory Notes (continued)

### Population Benchmarks (continued)

estimates of numbers involved. For this reason estimates of numbers in each region have not been added to provide an estimate of the total civilian population aged 15 years and over.

### Survey Sample Redesign

35. Following each Population Census the ABS redesigns and reselects the Labour Force Survey (LFS) sample to take into account the new information which is obtained from the Census. The sample used in the LFS from October 1982 to August 1987, designed and selected using data from the 1981 Census, has been updated and reselected using information collected in the 1986 Census. The new sample was phased in over the period from September 1987 to December 1987.

### Australian Standard Geographical Classification

36. The data are presented according to the Australian Standard Geographical Classification (ASGC), Edition 5.

37. Statistical divisions are designed to be relatively homogeneous areas characterised by identifiable social and economic units within the area. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan and Redcliffe, the Shire of Redland and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton and Pine Rivers.

38. Statistical regions are spatial units sufficiently large to be suitable for the presentation of labour force statistics. Statistical regions generally consist of one or more statistical divisions. However, the Moreton Statistical Division covers two statistical regions and the Brisbane Statistical Division is divided into four statistical regions (see the maps on pages 7 and 8).

### Seasonally Adjusted Estimates

39. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effect of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

40. The seasonally adjusted estimates still reflect the sampling and non-sampling errors to which the original estimates are subject. Furthermore, the seasonal adjustment process does not attempt to remove the effect of random influences such as industrial disputes on the estimates.

### Trend Estimates

41. Smoothed seasonally adjusted series produce a measure of trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13 term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.

42. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller and after 3 months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors.

### Month-to-month Movements

43. Care should be taken in the interpretation of month-to-month movements in labour force survey estimates as they are subject to sampling and non-sampling variability as explained in the Technical Notes.

### Revision of Series

44. The population benchmarks used in labour force survey estimates are compiled according to place of usual residence. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each Census of Population and Housing and when population estimation bases are reviewed.

### Related Publications

45. Users may also wish to refer to the following publications which are available on request:

'Monthly Summary of Statistics' (1304.3) - Monthly (\$5.00)

'Economic Indicators' (1307.3) - Monthly (\$3.00)

Information Paper: 'Questionnaires Used in the Labour Force Survey' (6232.0) - Latest issue: June 1986

Information Paper: 'Release of Regional Labour Force Statistics' (6262.0) - Latest issue: April 1985

Information Paper: 'A Guide to Smoothing Time Series - Estimates of "Trend"' (1316.0) - Latest issue: January 1987 (\$5.00)

Information Paper: 'Time Series Decomposition - An Overview' (1317.0) - Latest issue: March 1987

Information Paper: 'Labour Force Survey - Sample Design' (6269.0) - Latest issue: August 1987

(See over)



## Explanatory Notes (continued)

46. Current publications produced by the ABS are listed in the 'Catalogue of Publications' (Catalogue No. 1101.0) and those produced by the Queensland Office are listed in 'List of Publications' (Catalogue No. 1101.3). A 'Publications Advice' (Catalogue No. 1105.0) is issued on Tuesdays and Fridays which lists publications to be released in the next few days. These publications are available from any ABS Office.

Unpublished Statistics

47. The ABS can also make available certain labour force statistics which are not published. This information may be made available through floppy disk, microfiche, photocopy, computer printout or clerically extracted tabulation. Generally, a charge is made for providing unpublished statistics.

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14 September 1988

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48. For further information on these unpublished statistics contact Bevin Morris by telephoning Brisbane (07) 222 6029, or write to Information Services at the address above.

Symbols and Other Usages

- n.a. Not available.
- .. Not applicable.
- \* Subject to sampling variability too high for most practical uses. (See Technical Notes, pages 37 to 43, regarding reliability of the estimates.)

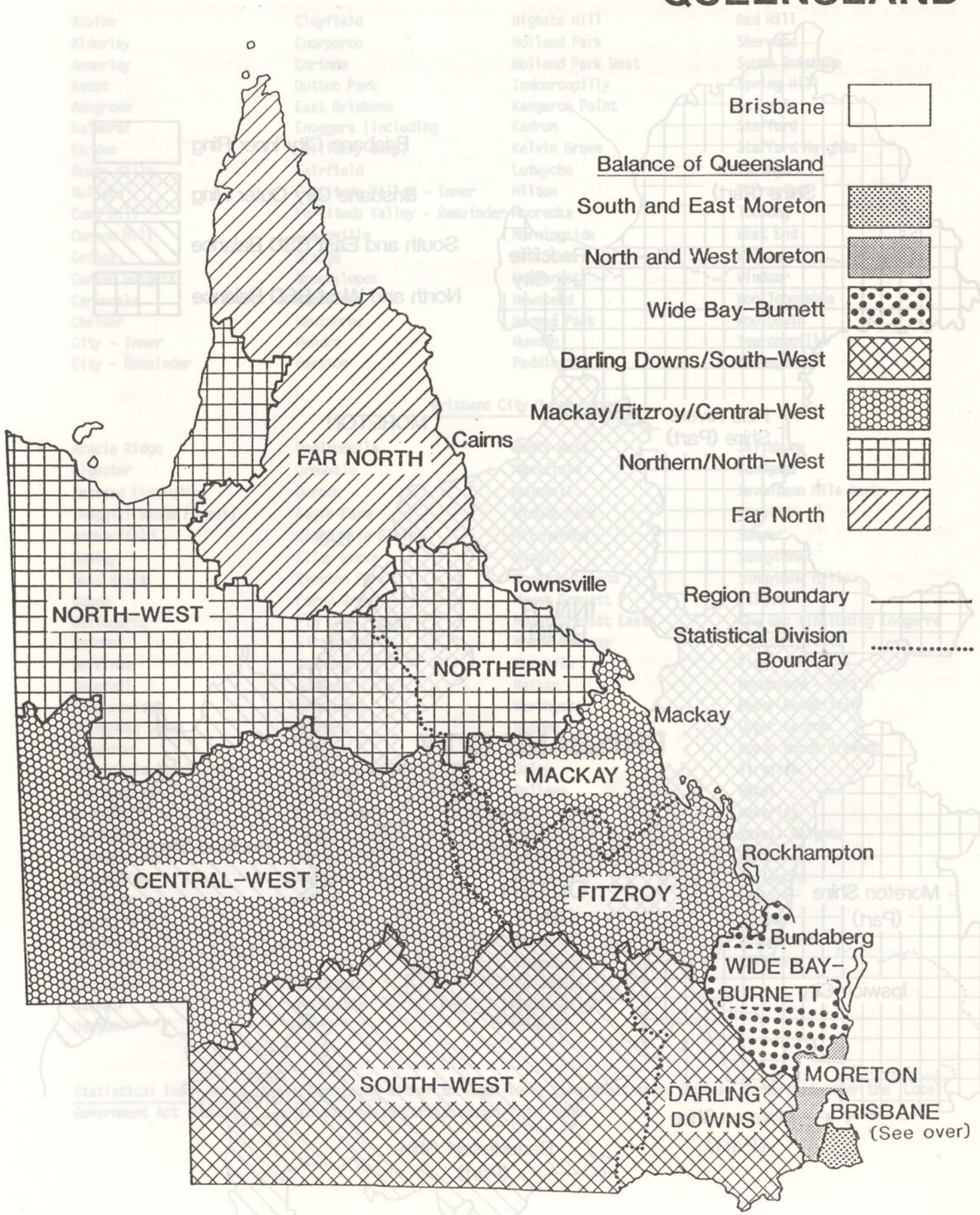
49. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

D. N. ALLEN

DEPUTY COMMONWEALTH STATISTICIAN

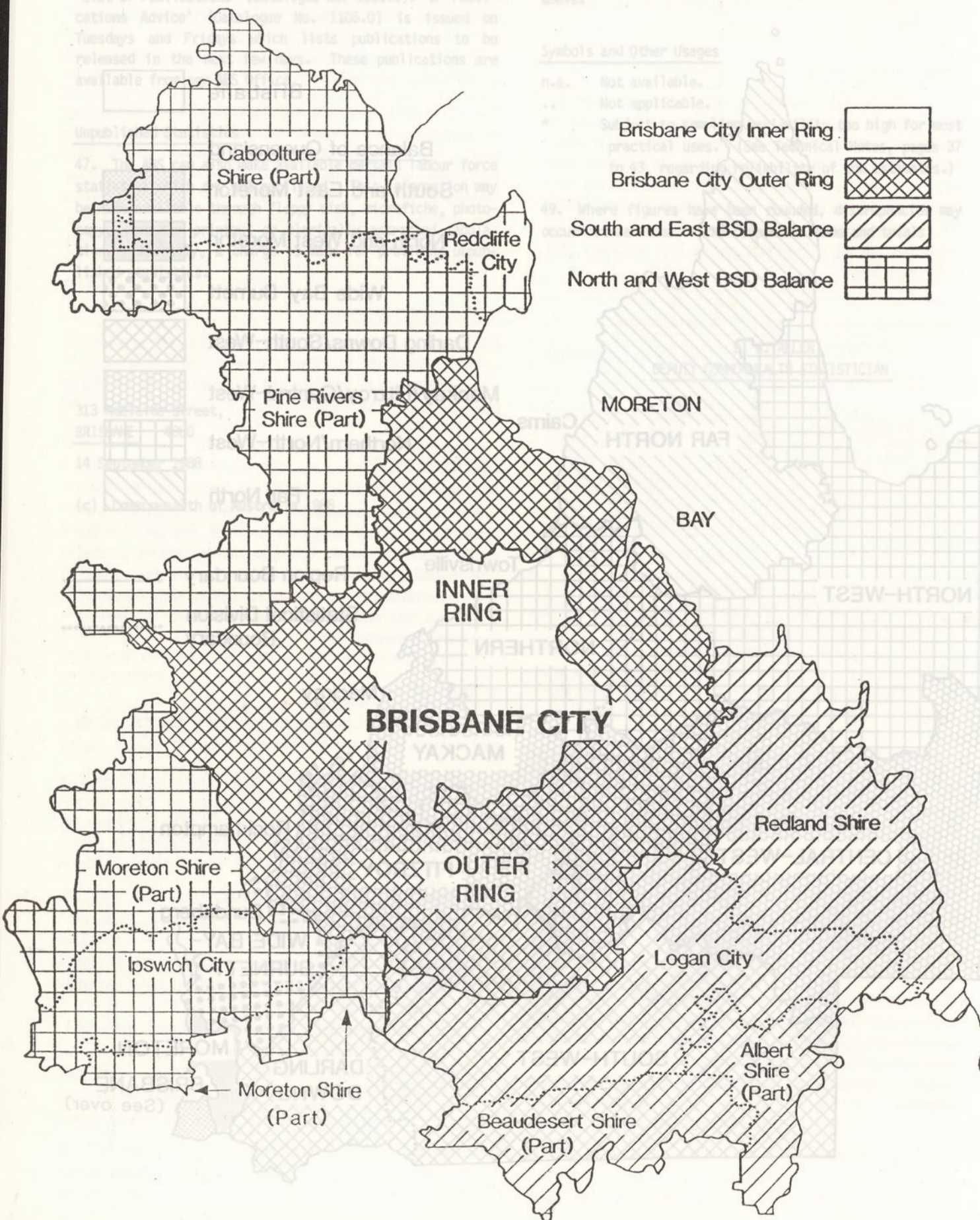


# STATISTICAL REGIONS, QUEENSLAND





# STATISTICAL REGIONS, BRISBANE STATISTICAL DIVISION





# Statistical Local Areas in Brisbane City Statistical Regions

## Brisbane City Inner Ring

Albion	Clayfield	Higate Hill	Red Hill
Alderley	Coorparoo	Holland Park	Sherwood
Annerley	Corinda	Holland Park West	South Brisbane
Ascot	Dutton Park	Indooroopilly	Spring Hill
Ashgrove	East Brisbane	Kangaroo Point	St Lucia
Balmoral	Enoggera (including Military Camp)	Kedron	Stafford
Bardon	Fairfield	Kelvin Grove	Stafford Heights
Bowen Hills	Fortitude Valley - Inner	Lutwyche	Taringa
Bulimba	Fortitude Valley - Remainder	Milton	Tarragindi
Camp Hill	Graceville	Moorooka	Toowong
Cannon Hill	Grange	Morningside	West End
Carina	Greenslopes	New Farm	Wilston
Carina Heights	Hamilton	Newmarket	Windsor
Carindale	Hawthorne	Newstead	Woolloongabba
Chelmer	Hendra	Norman Park	Woolloowin
City - Inner	Herston	Nundah	Yeerongpilly
City - Remainder		Paddington	Yeronga

## Brisbane City Outer Ring

Acacia Ridge	Doolandella	Manly West	Salisbury
Algester	Drewvale	Mansfield	Sandgate
Anstead (including Moggill State Forest)	Durack	McDowall	Seventeen Mile Rocks
Archerfield	Eagle Farm	Middle Park	Stretton
Aspley	Eight Mile Plains	Mitchelton	Summer
Bald Hills	Ellen Grove	Moggill	Sunnybank
Banyo	Everton Park	Moreton Island	Sunnybank Hills
Bellbowrie	Ferny Grove	Mount Gravatt	Taigum
Belmont	Fig Tree Pocket	Mount Gravatt East	The Gap (including Enoggera State Forest)
Berrinba	Fitzgibbon	Mount Ommaney	Tingalpa
Boondall	Geebung	Murarrie	Underwood - Part A
Brackenridge	Gumdale	Nathan	Upper Brookfield
Bridgman Downs	Heathwood	Northgate	Upper Kedron
Brighton	Hemmant	Nudgee	Upper Mount Gravatt
Brookfield (including Mt Coot-tha Park)	Inala	Nudgee Beach	Virginia
Burbank	Jamboree Heights	Oxley	Wacol
Calamvale	Jindalee	Pallara	Wakerley
Capalaba West	Karawatha	Parkinson	Wavell Heights
Carseldine	Kenmore	Pinjarra Hills	Westlake
Chandler	Kenmore Hills	Pinkenba	Willawong
Chapel Hill	Keperra	Pullenvale	Wishart
Chermside	Kuraby	Ransome	Wynnum
Chermside West	Larapinta	Richlands	Wynnum West
Coopers Plains	Lota	Riverhills	Zillmere
Darra	Lytton	Robertson	
Deagon	MacGregor	Rochedale	
	Mackenzie	Rocklea	
	Manly	Runcorn	

Statistical local areas (SLAs) correspond either to legal local government areas (LGAs), as defined under the 'Local Government Act 1936-1987', or to suburbs in certain urban legal LGAs.

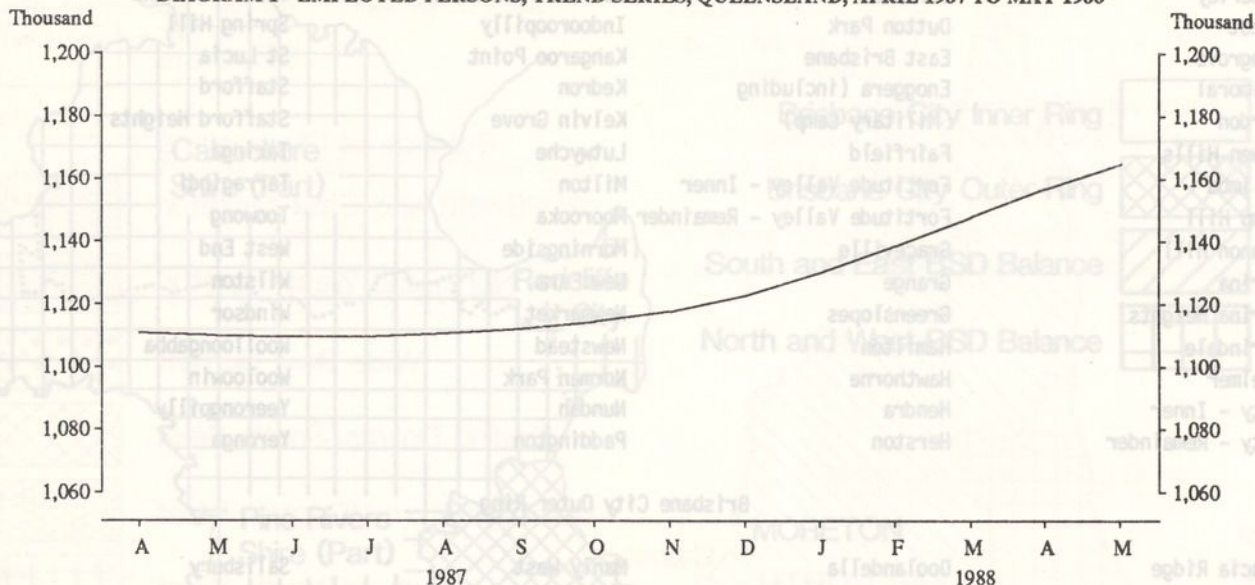


## Summary of Findings

## Employment

Trend estimates of employed persons in Queensland for May 1988 continued the steady growth which has been apparent since October 1987. This growth follows a period of relatively stable employment for the State.

DIAGRAM 1 - EMPLOYED PERSONS, TREND SERIES, QUEENSLAND, APRIL 1987 TO MAY 1988

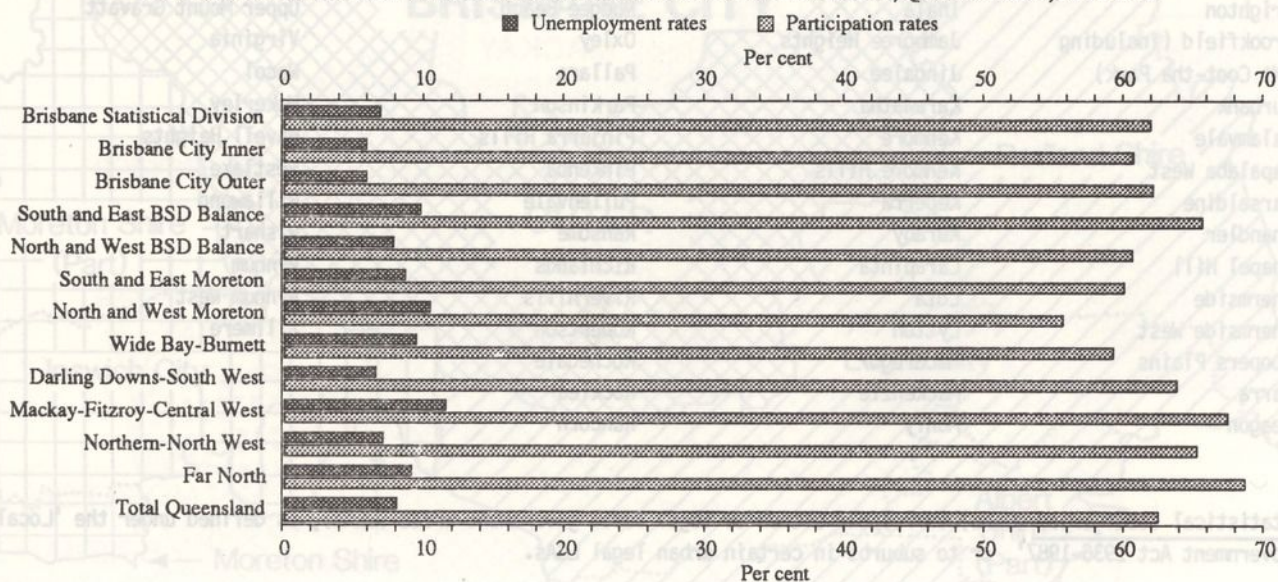


The unadjusted estimate of employed persons in Queensland in May 1988 was 1,174,900, with 543,600 or 46.3 per cent resident in the Brisbane Statistical Division (BSD). Almost 80 per cent of employed Queenslanders work full-time.

## Unemployment and Labour Force Participation

The unemployment rate in May 1988 for Queensland was 8.1 per cent, the lowest since November 1985 when it was also recorded at that level. The rate for the BSD was 7.0 per cent, compared with 9.1 per cent for the balance of Queensland. The Brisbane City Inner Ring and the Brisbane City Outer Ring shared the lowest unemployment rate of 6.0 per cent, while the Mackay-Fitzroy-Central West region had the highest rate of 11.6 per cent.

DIAGRAM 2 - REGIONAL UNEMPLOYMENT AND PARTICIPATION RATES, QUEENSLAND, MAY 1988





### Summary of Findings (continued)

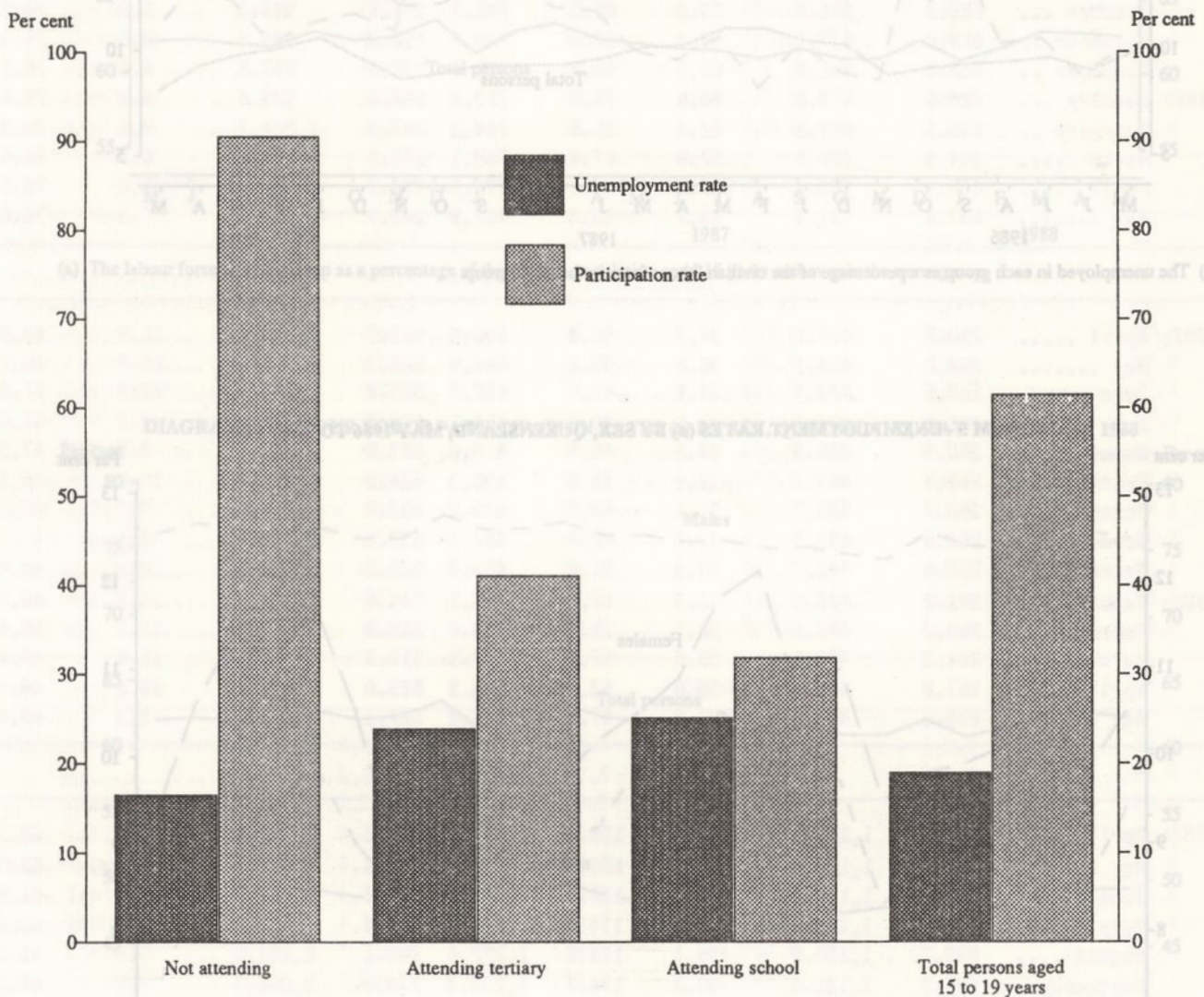
The Far North Region had the highest participation rate of 68.7 per cent, while North and West Moreton, at 55.7 per cent, was well below the Queensland rate of 62.5 per cent.

#### Teenage and Young Adult Unemployment

Although teenage unemployment has fallen from 23.7 per cent in May 1987, it remains high, with 28,300 or 19.2 per cent of the 15 to 19 year old labour force out of work. Of unemployed teenagers in May 1988, 7,800 were still at school; this was 13.0 per cent more than the figure of 6,900 recorded in May 1987.

The unemployment rate in May 1988 for those 15 to 19 year olds who were in the labour force and not attending either school or a tertiary educational institution full-time was 16.8 per cent. This was down from the May 1987 rate of 23.6 per cent. The rate of participation in the labour force for this group has also fallen from 92.9 per cent in May 1987 to 90.8 per cent in May 1988.

**DIAGRAM 3 - UNEMPLOYMENT AND PARTICIPATION RATES FOR PERSONS AGED 15 TO 19 YEARS  
BY ATTENDANCE AT AN EDUCATIONAL INSTITUTION, QUEENSLAND, MAY 1988**

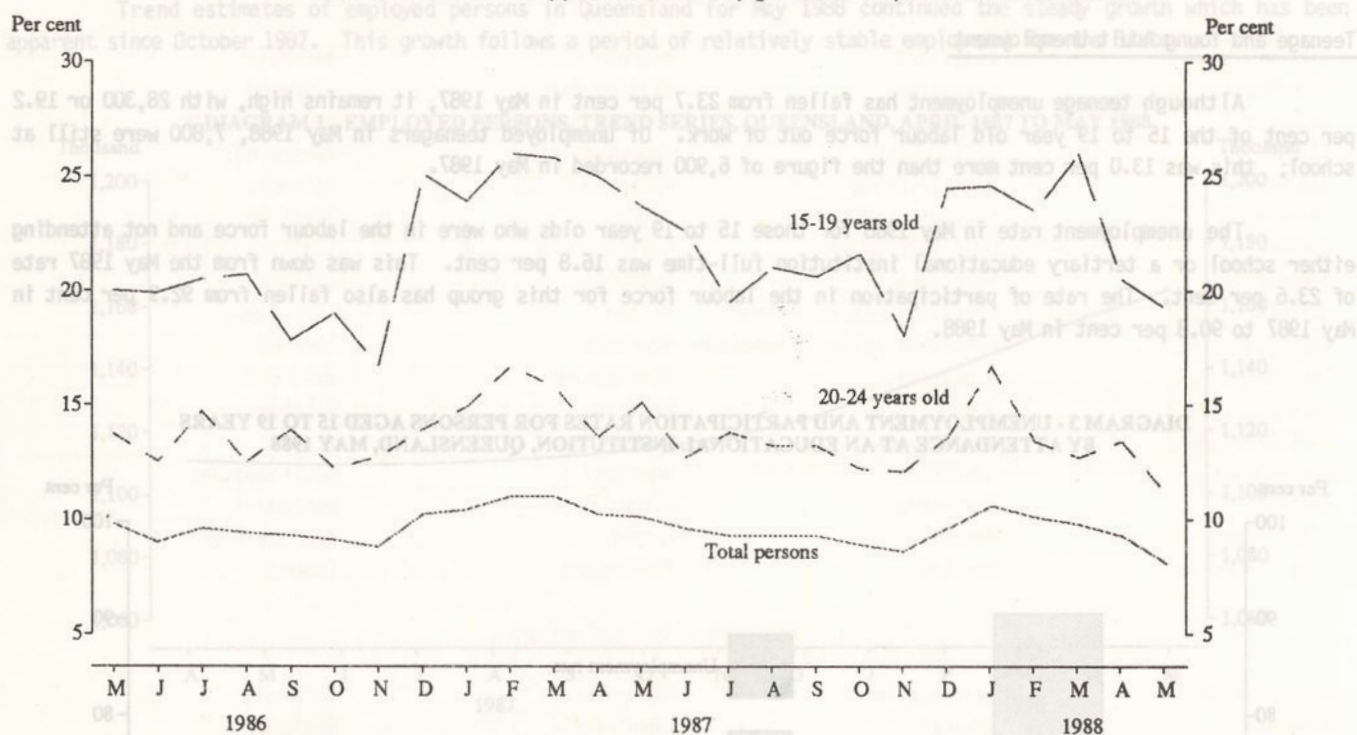


The May 1988 unemployment rate for teenagers in the BSD was 18.0 per cent, which was lower than that for the remainder of the State at 20.2 per cent. This was also the situation for the 20 to 24 year olds who recorded unemployment rates of 9.7 per cent and 12.4 per cent in the BSD and the remainder of the State, respectively.



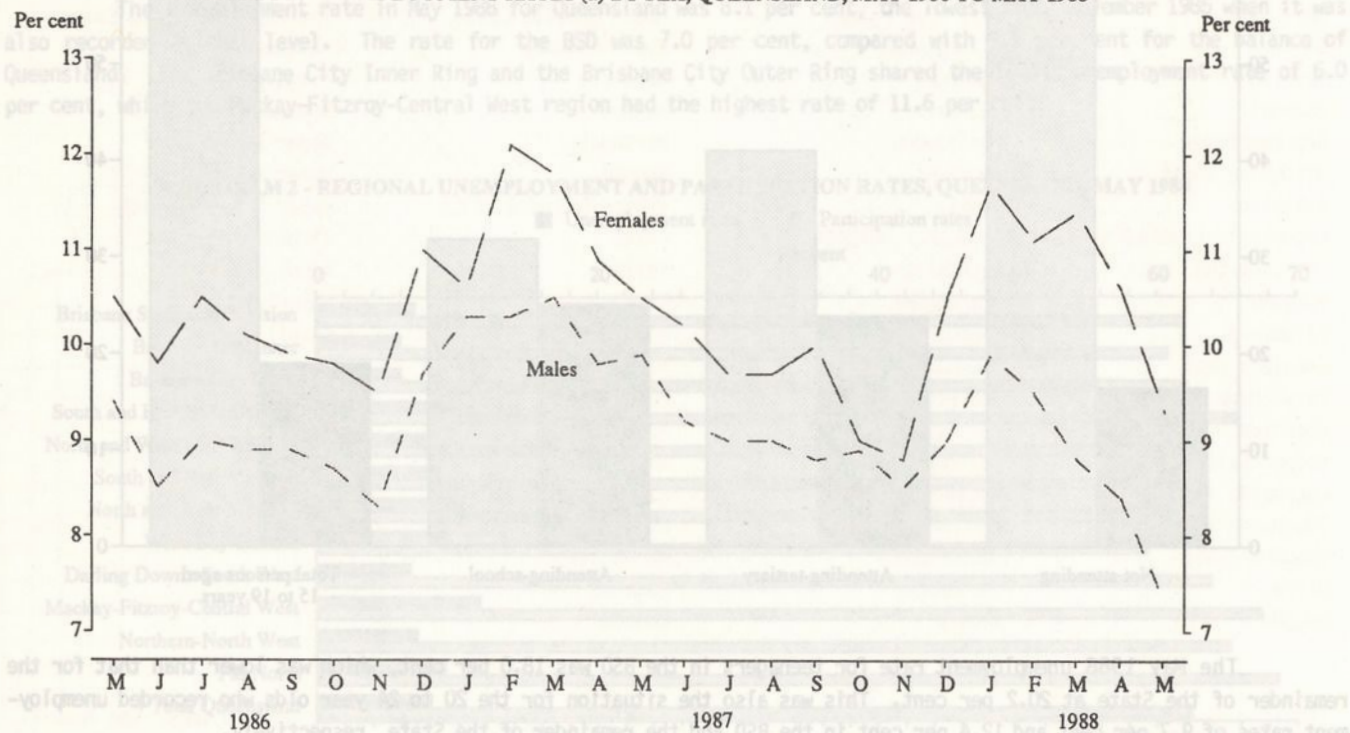
## Summary of Findings (continued)

DIAGRAM 4 - UNEMPLOYMENT RATES (a) BY AGE GROUP, QUEENSLAND, MAY 1986 TO MAY 1988



(a) The unemployed in each group as a percentage of the civilian labour force in the same group.

DIAGRAM 5 - UNEMPLOYMENT RATES (a) BY SEX, QUEENSLAND, MAY 1986 TO MAY 1988

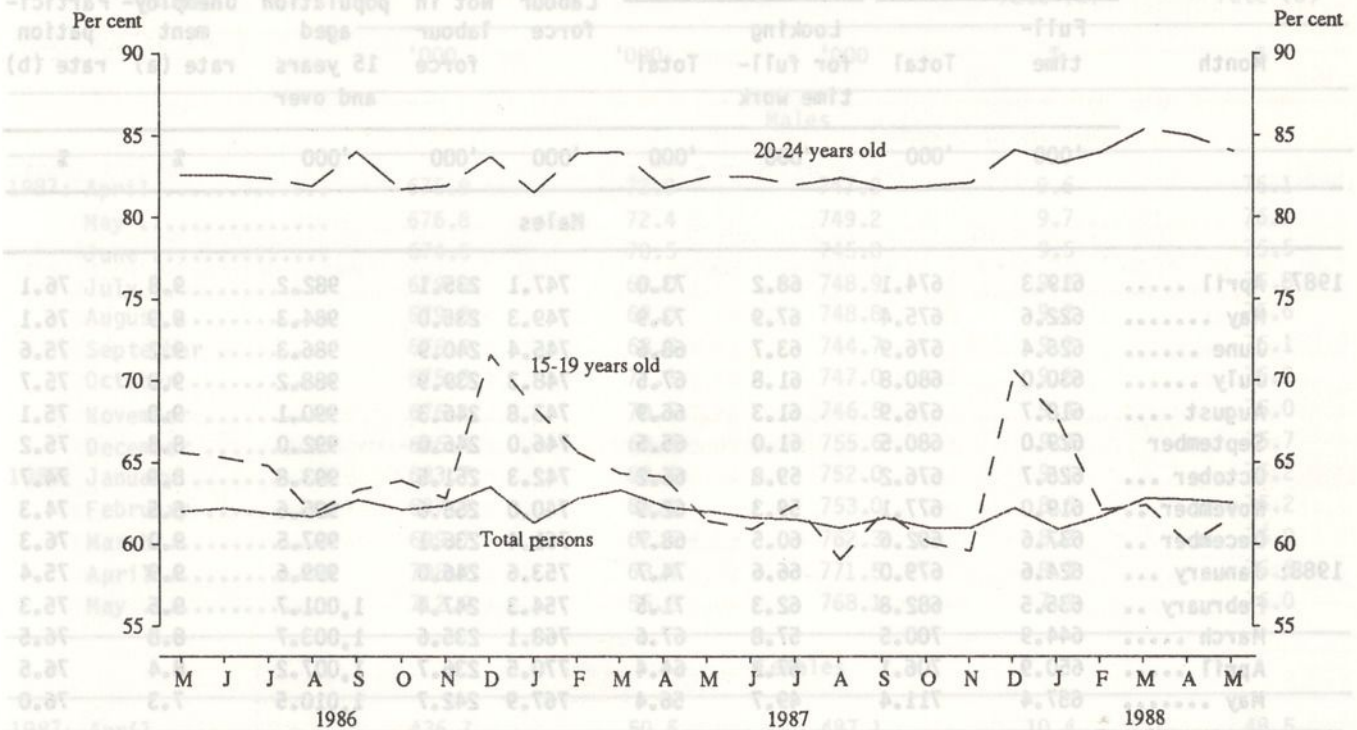


(a) The unemployed in each group as a percentage of the civilian labour force in the same group.



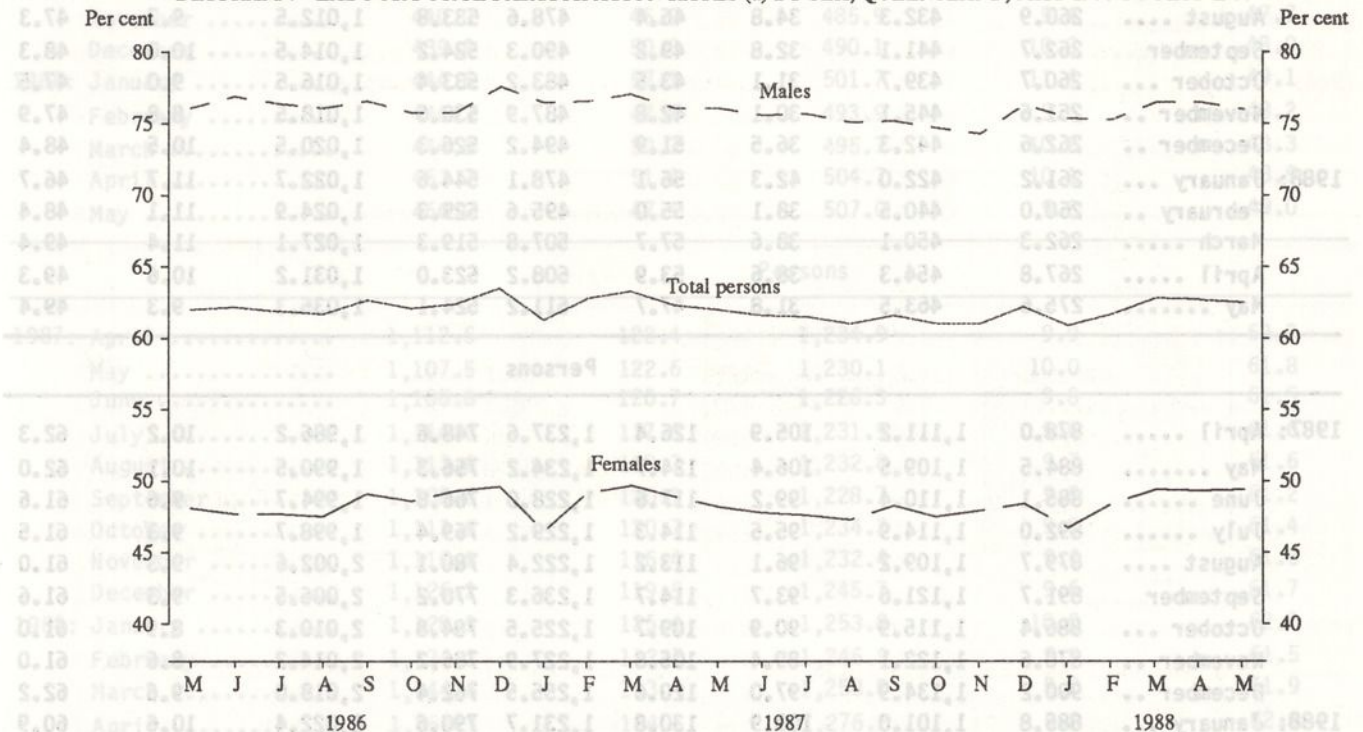
## Summary of Findings (continued)

DIAGRAM 6 - LABOUR FORCE PARTICIPATION RATES (a) BY AGE GROUP, QUEENSLAND, MAY 1986 TO MAY 1988



(a) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

DIAGRAM 7 - LABOUR FORCE PARTICIPATION RATES (a) BY SEX, QUEENSLAND, MAY 1986 TO MAY 1988



(a) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over, Queensland

Month	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Males									
1987: April .....	619.3	674.1	68.2	73.0	747.1	235.1	982.2	9.8	76.1
May .....	622.6	675.4	67.9	73.9	749.3	235.0	984.3	9.9	76.1
June .....	625.4	676.9	63.7	68.6	745.4	240.9	986.3	9.2	75.6
July .....	630.0	680.8	61.8	67.5	748.3	239.9	988.2	9.0	75.7
August .....	618.7	676.9	61.3	66.9	743.8	246.3	990.1	9.0	75.1
September .....	629.0	680.5	61.0	65.5	746.0	246.0	992.0	8.8	75.2
October .....	625.7	676.2	59.8	66.2	742.3	251.5	993.8	8.9	74.7
November .....	619.0	677.1	59.3	62.9	740.0	255.6	995.6	8.5	74.3
December .....	637.6	692.6	60.5	68.7	761.4	236.1	997.5	9.0	76.3
1988: January .....	624.6	679.0	66.6	74.7	753.6	246.0	999.6	9.9	75.4
February .....	635.5	682.8	62.3	71.5	754.3	247.4	1,001.7	9.5	75.3
March .....	644.9	700.5	57.8	67.6	768.1	235.6	1,003.7	8.8	76.5
April .....	650.9	706.1	57.2	64.4	770.5	236.7	1,007.2	8.4	76.5
May .....	657.4	711.4	49.7	56.4	767.9	242.7	1,010.5	7.3	76.0
Females									
1987: April .....	258.8	437.1	37.7	53.4	490.5	513.5	1,004.0	10.9	48.9
May .....	262.0	434.1	38.6	50.8	484.9	521.3	1,006.2	10.5	48.2
June .....	259.6	433.5	35.5	49.0	482.5	525.9	1,008.4	10.2	47.8
July .....	262.0	434.1	33.6	46.8	480.9	529.5	1,010.4	9.7	47.6
August .....	260.9	432.3	34.8	46.4	478.6	533.8	1,012.5	9.7	47.3
September .....	262.7	441.1	32.8	49.2	490.3	524.2	1,014.5	10.0	48.3
October .....	260.7	439.7	31.1	43.5	483.2	533.4	1,016.5	9.0	47.5
November .....	251.6	445.1	30.1	42.8	487.9	530.6	1,018.5	8.8	47.9
December .....	262.6	442.3	36.5	51.9	494.2	526.3	1,020.5	10.5	48.4
1988: January .....	261.2	422.0	42.3	56.1	478.1	544.6	1,022.7	11.7	46.7
February .....	260.0	440.5	38.1	55.0	495.6	529.3	1,024.9	11.1	48.4
March .....	262.3	450.1	38.6	57.7	507.8	519.3	1,027.1	11.4	49.4
April .....	267.8	454.3	38.6	53.9	508.2	523.0	1,031.2	10.6	49.3
May .....	275.6	463.5	31.8	47.7	511.2	524.1	1,035.3	9.3	49.4
Persons									
1987: April .....	878.0	1,111.2	105.9	126.4	1,237.6	748.6	1,986.2	10.2	62.3
May .....	884.5	1,109.5	106.4	124.7	1,234.2	756.3	1,990.5	10.1	62.0
June .....	885.1	1,110.4	99.2	117.6	1,228.0	766.8	1,994.7	9.6	61.6
July .....	892.0	1,114.9	95.5	114.3	1,229.2	769.4	1,998.7	9.3	61.5
August .....	879.7	1,109.2	96.1	113.2	1,222.4	780.1	2,002.6	9.3	61.0
September .....	891.7	1,121.6	93.7	114.7	1,236.3	770.2	2,006.5	9.3	61.6
October .....	886.4	1,115.9	90.9	109.7	1,225.5	784.8	2,010.3	8.9	61.0
November .....	870.6	1,122.1	89.4	105.8	1,227.9	786.2	2,014.2	8.6	61.0
December .....	900.2	1,134.9	97.0	120.6	1,255.5	762.4	2,018.0	9.6	62.2
1988: January .....	885.8	1,101.0	108.9	130.8	1,231.7	790.6	2,022.4	10.6	60.9
February .....	895.5	1,123.3	100.4	126.5	1,249.9	776.7	2,026.6	10.1	61.7
March .....	907.3	1,150.7	96.4	125.3	1,275.9	754.8	2,030.8	9.8	62.8
April .....	918.7	1,160.4	95.7	118.3	1,278.7	759.7	2,038.4	9.3	62.7
May .....	933.0	1,174.9	81.5	104.2	1,279.1	766.8	2,045.9	8.1	62.5

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 2 - Seasonally Adjusted Estimates of the Civilian Labour Force Aged 15 Years and Over, Queensland

Month	Employed	Unemployed	Labour Force	Unemployment rate (a)	Participation rate (b)
	'000	'000	'000	%	%
Males					
1987: April .....	675.9	72.0	747.8	9.6	76.1
May .....	676.8	72.4	749.2	9.7	76.1
June .....	674.5	70.5	745.0	9.5	75.5
July .....	679.8	69.0	748.9	9.2	75.8
August .....	679.8	69.0	748.8	9.2	75.6
September .....	676.2	68.5	744.7	9.2	75.1
October .....	675.8	71.3	747.0	9.5	75.2
November .....	676.1	70.5	746.5	9.4	75.0
December .....	686.4	69.2	755.6	9.2	75.7
1988: January .....	683.7	68.4	752.0	9.1	75.2
February .....	687.9	65.1	753.0	8.6	75.2
March .....	699.7	62.6	762.3	8.2	75.9
April .....	708.1	63.4	771.5	8.2	76.6
May .....	712.9	55.2	768.1	7.2	76.0
Females					
1987: April .....	436.7	50.5	487.1	10.4	48.5
May .....	430.8	50.1	480.9	10.4	47.8
June .....	431.1	50.2	481.3	10.4	47.7
July .....	434.2	48.9	483.1	10.1	47.8
August .....	433.8	50.2	484.1	10.4	47.8
September .....	432.4	51.6	484.0	10.7	47.7
October .....	437.8	49.4	487.3	10.1	47.9
November .....	440.0	45.9	485.9	9.4	47.7
December .....	439.8	50.3	490.1	10.3	48.0
1988: January .....	444.6	57.1	501.7	11.4	49.1
February .....	446.3	47.6	493.9	9.6	48.2
March .....	444.9	50.7	495.7	10.2	48.3
April .....	453.7	51.1	504.7	10.1	48.9
May .....	460.0	47.1	507.0	9.3	49.0
Persons					
1987: April .....	1,112.5	122.4	1,234.9	9.9	62.2
May .....	1,107.5	122.6	1,230.1	10.0	61.8
June .....	1,105.6	120.7	1,226.3	9.8	61.5
July .....	1,114.0	117.9	1,231.9	9.6	61.6
August .....	1,113.6	119.3	1,232.8	9.7	61.6
September .....	1,108.6	120.1	1,228.7	9.8	61.2
October .....	1,113.6	120.7	1,234.3	9.8	61.4
November .....	1,116.0	116.4	1,232.4	9.4	61.2
December .....	1,126.2	119.5	1,245.7	9.6	61.7
1988: January .....	1,128.3	125.4	1,253.8	10.0	62.0
February .....	1,134.2	112.7	1,246.9	9.0	61.5
March .....	1,144.6	113.4	1,258.0	9.0	61.9
April .....	1,161.7	114.5	1,276.2	9.0	62.6
May .....	1,172.9	102.3	1,275.2	8.0	62.3

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 3 - Trend Estimates of the Civilian Labour Force Aged 15 Years and Over, Queensland

Month	Employed '000	Unemployed '000	Labour Force '000	Unemployment rate (a) %	Participation rate (b) %
Males					
1987: April .....	676.3	71.8	748.2	9.6	76.2
May .....	676.7	71.3	748.0	9.5	76.0
June .....	677.0	70.7	747.6	9.5	75.8
July .....	677.1	70.1	747.2	9.4	75.6
August .....	677.1	69.7	746.8	9.3	75.4
September .....	677.2	69.8	746.9	9.3	75.3
October .....	677.5	69.9	747.4	9.3	75.2
November .....	678.8	69.8	748.6	9.3	75.2
December .....	681.7	69.1	750.8	9.2	75.3
1988: January .....	686.5	67.5	754.0	9.0	75.4
February .....	692.4	65.5	757.9	8.6	75.7
March .....	698.5	63.3	761.8	8.3	75.9
April .....	704.4	61.0	765.4	8.0	76.0
May .....	709.5	59.1	768.6	7.7	76.1
Females					
1987: April .....	434.3	50.6	484.9	10.4	48.3
May .....	433.1	50.4	483.6	10.4	48.1
June .....	432.5	50.2	482.7	10.4	47.9
July .....	432.5	49.9	482.4	10.3	47.7
August .....	433.3	49.6	483.0	10.3	47.7
September .....	434.9	49.6	484.4	10.2	47.8
October .....	436.7	49.7	486.5	10.2	47.9
November .....	438.7	50.1	488.8	10.3	48.0
December .....	440.8	50.5	491.4	10.3	48.2
1988: January .....	443.4	50.8	494.2	10.3	48.3
February .....	446.2	50.8	497.1	10.2	48.5
March .....	449.3	50.5	499.8	10.1	48.7
April .....	452.4	50.0	502.4	10.0	48.7
May .....	455.2	49.5	504.7	9.8	48.8
Persons					
1987: April .....	1,110.7	122.4	1,233.1	9.9	62.1
May .....	1,109.8	121.8	1,231.6	9.9	61.9
June .....	1,109.5	120.9	1,230.4	9.8	61.7
July .....	1,109.6	120.0	1,229.6	9.8	61.5
August .....	1,110.5	119.3	1,229.8	9.7	61.4
September .....	1,112.0	119.3	1,231.4	9.7	61.4
October .....	1,114.3	119.6	1,233.9	9.7	61.4
November .....	1,117.5	119.9	1,237.4	9.7	61.4
December .....	1,122.6	119.6	1,242.2	9.6	61.6
1988: January .....	1,129.9	118.4	1,248.2	9.5	61.7
February .....	1,138.6	116.3	1,254.9	9.3	61.9
March .....	1,147.8	113.8	1,261.6	9.0	62.1
April .....	1,156.8	111.1	1,267.8	8.8	62.2
May .....	1,164.8	108.6	1,273.3	8.5	62.2

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 4 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, March 1988

Region	Employed	Unemployed		Total labour force		Not in labour force
	Number	Unemployment rate (a)	Number	Participation rate (b)		
	'000	'000	%	'000	%	'000
Males						
Brisbane Statistical Division ..	313.7	29.7	8.6	343.4	75.9	108.7
Brisbane City Inner Ring .....	94.5	9.0	8.7	103.5	72.1	40.0
Brisbane City Outer Ring .....	104.2	7.3	6.5	111.5	77.4	32.5
South and East BSD Balance ...	54.3	6.2	10.3	60.5	80.5	14.7
North and West BSD Balance ...	60.7	7.2	10.6	68.0	75.9	21.6
Balance of Queensland .....	386.8	37.9	8.9	424.7	77.0	126.8
South and East Moreton .....	64.4	3.5	5.2	67.9	73.7	24.2
North and West Moreton .....	47.5	4.8	9.2	52.3	67.3	25.4
Wide Bay-Burnett .....	44.4	5.1	10.3	49.4	73.1	18.2
Darling Downs-South West .....	55.9	3.7	6.1	59.5	82.1	13.0
Mackay-Fitzroy-Central West ..	74.8	8.2	9.8	82.9	83.4	16.5
Northern-North West .....	56.6	6.1	9.7	62.7	81.5	14.3
Far North .....	43.3	6.6	13.2	49.9	76.6	15.2
Total Queensland .....	700.5	67.6	8.8	768.1	76.5	235.6
Females						
Brisbane Statistical Division ..	216.6	27.2	11.2	243.8	50.5	238.9
Brisbane City Inner Ring .....	70.7	9.1	11.4	79.8	51.1	76.4
Brisbane City Outer Ring .....	75.1	6.8	8.3	81.9	52.7	73.5
South and East BSD Balance ...	34.9	5.7	14.1	40.6	52.2	37.2
North and West BSD Balance ...	35.8	5.6	13.5	41.4	44.5	51.8
Balance of Queensland .....	233.6	30.4	11.5	264.0	48.5	280.4
South and East Moreton .....	43.2	3.7	7.9	46.9	48.6	49.7
North and West Moreton .....	30.3	*	*	32.9	43.7	42.3
Wide Bay-Burnett .....	25.3	6.2	19.8	31.6	45.6	37.6
Darling Downs-South West .....	30.9	2.9	8.7	33.8	48.1	36.6
Mackay-Fitzroy-Central West ..	45.2	7.7	14.5	52.9	52.3	48.3
Northern-North West .....	32.7	3.7	10.1	36.4	48.6	38.4
Far North .....	25.9	3.6	12.3	29.5	51.8	27.4
Total Queensland .....	450.1	57.7	11.4	507.8	49.4	519.3
Persons						
Brisbane Statistical Division ..	530.3	56.9	9.7	587.2	62.8	347.6
Brisbane City Inner Ring .....	165.2	18.1	9.9	183.3	61.2	116.3
Brisbane City Outer Ring .....	179.3	14.1	7.3	193.4	64.6	106.0
South and East BSD Balance ...	89.2	11.9	11.8	101.1	66.1	51.9
North and West BSD Balance ...	96.6	12.8	11.7	109.4	59.9	73.3
Balance of Queensland .....	620.4	68.4	9.9	688.7	62.8	407.2
South and East Moreton .....	107.6	7.2	6.3	114.8	60.8	73.9
North and West Moreton .....	77.8	7.4	8.7	85.2	55.7	67.7
Wide Bay-Burnett .....	69.7	11.3	14.0	81.0	59.2	55.8
Darling Downs-South West .....	86.8	6.6	7.1	93.4	65.3	49.5
Mackay-Fitzroy-Central West ..	120.0	15.8	11.6	135.8	67.7	64.8
Northern-North West .....	89.3	9.8	9.9	99.1	65.3	52.7
Far North .....	69.2	10.2	12.9	79.4	65.0	42.7
Total Queensland .....	1,150.7	125.3	9.8	1,275.9	62.8	754.8

(a) The number of unemployed in each group as a percentage of the labour force in the same group.  
 (b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 5 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, April 1988

Region	Employed		Unemployed		Total labour force		Not in labour force
	Number		Number	Unemployment rate (a)	Number	Participation rate (b)	
	'000		'000	%	'000	%	'000
Males							
<u>Brisbane Statistical Division ..</u>	<u>317.9</u>		<u>24.6</u>	<u>7.2</u>	<u>342.5</u>	<u>75.5</u>	<u>111.3</u>
Brisbane City Inner Ring .....	96.7		7.6	7.3	104.4	71.8	40.9
Brisbane City Outer Ring .....	105.4		5.7	5.2	111.1	76.4	34.3
South and East BSD Balance ...	54.3		6.2	10.2	60.5	78.7	16.4
North and West BSD Balance ...	61.5		5.1	7.6	66.5	77.2	19.6
<u>Balance of Queensland .....</u>	<u>388.2</u>		<u>39.8</u>	<u>9.3</u>	<u>428.0</u>	<u>77.3</u>	<u>125.4</u>
South and East Moreton .....	61.6		4.6	7.0	66.2	75.5	21.5
North and West Moreton .....	47.3		4.9	9.4	52.2	67.5	25.2
Wide Bay-Burnett .....	43.7		6.0	12.1	49.7	75.0	16.6
Darling Downs-South West .....	53.7		4.1	7.1	57.8	80.4	14.1
Mackay-Fitzroy-Central West ..	77.1		9.5	10.9	86.6	84.6	15.8
Northern-North West .....	60.6		5.1	7.8	65.8	79.8	16.7
Far North .....	44.2		5.6	11.2	49.7	76.2	15.6
<u>Total Queensland .....</u>	<u>706.1</u>		<u>64.4</u>	<u>8.4</u>	<u>770.5</u>	<u>76.5</u>	<u>236.7</u>
Females							
<u>Brisbane Statistical Division ..</u>	<u>220.6</u>		<u>23.4</u>	<u>9.6</u>	<u>244.0</u>	<u>50.4</u>	<u>240.6</u>
Brisbane City Inner Ring .....	75.9		6.5	7.9	82.4	51.9	76.3
Brisbane City Outer Ring .....	73.5		6.9	8.6	80.4	51.0	77.2
South and East BSD Balance ...	34.2		5.5	13.8	39.6	51.0	38.1
North and West BSD Balance ...	37.1		4.5	10.8	41.6	45.9	49.0
<u>Balance of Queensland .....</u>	<u>233.7</u>		<u>30.5</u>	<u>11.6</u>	<u>264.2</u>	<u>48.3</u>	<u>282.4</u>
South and East Moreton .....	39.8		5.4	12.0	45.2	47.4	50.3
North and West Moreton .....	30.8		*	*	33.1	44.5	41.3
Wide Bay-Burnett .....	27.0		4.4	14.0	31.4	45.7	37.3
Darling Downs-South West .....	31.0		3.4	9.8	34.4	48.2	37.0
Mackay-Fitzroy-Central West ..	43.6		7.8	15.1	51.4	50.4	50.5
Northern-North West .....	35.2		*	*	38.0	49.5	38.8
Far North .....	26.3		4.4	14.5	30.7	53.0	27.2
<u>Total Queensland .....</u>	<u>454.3</u>		<u>53.9</u>	<u>10.6</u>	<u>508.2</u>	<u>49.3</u>	<u>523.0</u>
Persons							
<u>Brisbane Statistical Division ..</u>	<u>538.5</u>		<u>48.0</u>	<u>8.2</u>	<u>586.5</u>	<u>62.5</u>	<u>351.9</u>
Brisbane City Inner Ring .....	172.6		14.2	7.6	186.8	61.4	117.2
Brisbane City Outer Ring .....	178.8		12.7	6.6	191.5	63.2	111.5
South and East BSD Balance ...	88.5		11.7	11.6	100.1	64.8	54.5
North and West BSD Balance ...	98.6		9.5	8.8	108.1	61.1	68.7
<u>Balance of Queensland .....</u>	<u>621.9</u>		<u>70.3</u>	<u>10.2</u>	<u>692.2</u>	<u>62.9</u>	<u>407.8</u>
South and East Moreton .....	101.4		10.0	9.0	111.4	60.8	71.7
North and West Moreton .....	78.1		7.2	8.4	85.3	56.2	66.5
Wide Bay-Burnett .....	70.6		10.4	12.9	81.1	60.1	53.9
Darling Downs-South West .....	84.7		7.5	8.1	92.2	64.3	51.1
Mackay-Fitzroy-Central West ..	120.8		17.2	12.5	138.0	67.5	66.3
Northern-North West .....	95.8		8.0	7.7	103.8	65.2	55.5
Far North .....	70.5		10.0	12.4	80.5	65.3	42.8
<u>Total Queensland .....</u>	<u>1,160.4</u>		<u>118.3</u>	<u>9.3</u>	<u>1,278.7</u>	<u>62.7</u>	<u>759.7</u>

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 6 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, May 1988

Region	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
		'000	'000	%	'000	
Males						
<u>Brisbane Statistical Division ..</u>	<u>320.4</u>	<u>20.7</u>	<u>6.1</u>	<u>341.1</u>	<u>74.9</u>	<u>114.1</u>
Brisbane City Inner Ring .....	99.9	5.2	5.0	105.1	71.2	42.5
Brisbane City Outer Ring .....	104.7	5.6	5.1	110.4	74.8	37.1
South and East BSD Balance ...	55.3	5.3	8.7	60.6	80.7	14.5
North and West BSD Balance ...	60.5	4.5	7.0	65.0	76.4	20.0
<u>Balance of Queensland .....</u>	<u>391.0</u>	<u>35.7</u>	<u>8.4</u>	<u>426.8</u>	<u>76.9</u>	<u>128.5</u>
South and East Moreton .....	62.6	4.8	7.1	67.3	73.2	24.7
North and West Moreton .....	46.4	5.3	10.2	51.7	65.7	26.9
Wide Bay-Burnett .....	44.9	3.5	7.2	48.4	71.2	19.6
Darling Downs-South West .....	55.4	3.5	5.9	58.8	80.9	13.9
Mackay-Fitzroy-Central West ..	76.0	10.0	11.6	86.1	85.9	14.2
Northern-North West .....	58.5	4.0	6.3	62.5	80.5	15.2
Far North .....	47.3	4.8	9.2	52.0	78.6	14.1
<u>Total Queensland .....</u>	<u>711.4</u>	<u>56.4</u>	<u>7.3</u>	<u>767.9</u>	<u>76.0</u>	<u>242.7</u>
Females						
<u>Brisbane Statistical Division ..</u>	<u>223.2</u>	<u>20.0</u>	<u>8.2</u>	<u>243.2</u>	<u>50.0</u>	<u>243.3</u>
Brisbane City Inner Ring .....	75.8	5.9	7.2	81.7	51.2	77.8
Brisbane City Outer Ring .....	74.2	5.7	7.2	79.9	50.5	78.3
South and East BSD Balance ...	34.9	4.5	11.3	39.4	51.0	37.8
North and West BSD Balance ...	38.3	3.9	9.2	42.2	46.1	49.4
<u>Balance of Queensland .....</u>	<u>240.3</u>	<u>27.7</u>	<u>10.3</u>	<u>268.0</u>	<u>48.8</u>	<u>280.8</u>
South and East Moreton .....	42.1	5.3	11.1	47.4	48.0	51.3
North and West Moreton .....	29.9	3.7	11.0	33.6	45.1	40.9
Wide Bay-Burnett .....	29.5	4.3	12.8	33.8	47.8	36.9
Darling Downs-South West .....	30.8	2.7	8.0	33.5	46.7	38.3
Mackay-Fitzroy-Central West ..	42.5	5.6	11.7	48.1	48.8	50.4
Northern-North West .....	33.6	*	*	36.7	49.4	37.5
Far North .....	31.9	*	*	35.1	57.8	25.6
<u>Total Queensland .....</u>	<u>463.5</u>	<u>47.7</u>	<u>9.3</u>	<u>511.2</u>	<u>49.4</u>	<u>524.1</u>
Persons						
<u>Brisbane Statistical Division ..</u>	<u>543.6</u>	<u>40.7</u>	<u>7.0</u>	<u>584.3</u>	<u>62.0</u>	<u>357.4</u>
Brisbane City Inner Ring .....	175.6	11.1	6.0	186.8	60.8	120.3
Brisbane City Outer Ring .....	178.9	11.4	6.0	190.3	62.2	115.5
South and East BSD Balance ...	90.2	9.8	9.8	100.0	65.7	52.3
North and West BSD Balance ...	98.9	8.4	7.9	107.3	60.7	69.4
<u>Balance of Queensland .....</u>	<u>631.3</u>	<u>63.4</u>	<u>9.1</u>	<u>694.8</u>	<u>62.9</u>	<u>409.3</u>
South and East Moreton .....	104.7	10.0	8.7	114.7	60.1	76.0
North and West Moreton .....	76.3	9.0	10.5	85.2	55.7	67.8
Wide Bay-Burnett .....	74.3	7.8	9.5	82.1	59.3	56.4
Darling Downs-South West .....	86.2	6.1	6.6	92.3	63.9	52.1
Mackay-Fitzroy-Central West ..	118.5	15.6	11.6	134.1	67.5	64.5
Northern-North West .....	92.1	7.0	7.1	99.2	65.3	52.7
Far North .....	79.2	7.9	9.1	87.1	68.7	39.7
<u>Total Queensland .....</u>	<u>1,174.9</u>	<u>104.2</u>	<u>8.1</u>	<u>1,279.1</u>	<u>62.5</u>	<u>766.8</u>

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, May 1988

Age group (years)	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000
Brisbane Statistical Division						
15-24 years .....	130.1	20.3	13.5	150.4	72.1	58.1
15-19 years .....	55.9	12.3	18.0	68.1	61.5	42.6
20-24 years .....	74.2	8.0	9.7	82.2	84.2	15.5
25-44 years .....	279.7	14.4	4.9	294.1	77.7	84.6
45 years and over .....	133.8	6.0	4.3	139.8	39.4	214.7
<u>Total</u> .....	543.6	40.7	7.0	584.3	62.0	357.4
Brisbane City Inner Ring						
15-24 years .....	46.1	5.2	10.2	51.3	72.3	19.7
15-19 years .....	18.0	2.5	12.4	20.5	59.0	14.3
20-24 years .....	28.1	2.7	8.7	30.8	85.1	5.4
25-44 years .....	83.4	3.6	4.1	87.0	80.5	21.1
45 years and over .....	46.2	*	*	48.5	37.9	79.5
<u>Total</u> .....	175.6	11.1	6.0	186.8	60.8	120.3
Brisbane City Outer Ring						
15-24 years .....	42.7	5.9	12.2	48.7	71.9	19.0
15-19 years .....	18.8	4.7	19.9	23.5	62.4	14.2
20-24 years .....	23.9	*	*	25.2	83.8	4.9
25-44 years .....	83.7	4.4	5.0	88.1	77.3	25.8
45 years and over .....	52.4	*	*	53.5	43.1	70.6
<u>Total</u> .....	178.9	11.4	6.0	190.3	62.2	115.5
South and East BSD Balance						
15-24 years .....	18.4	5.3	22.2	23.6	72.4	9.0
15-19 years .....	7.8	2.9	26.7	10.7	62.7	6.4
20-24 years .....	10.5	*	*	12.9	82.9	2.7
25-44 years .....	54.8	2.9	5.0	57.7	77.0	17.2
45 years and over .....	17.1	*	*	18.7	41.8	26.0
<u>Total</u> .....	90.2	9.8	9.8	100.0	65.7	52.3
North and West BSD Balance						
15-24 years .....	22.9	3.8	14.4	26.7	72.1	10.3
15-19 years .....	11.2	*	*	13.4	63.2	7.8
20-24 years .....	11.7	*	*	13.3	84.1	2.5
25-44 years .....	57.8	3.5	5.8	61.4	75.0	20.5
45 years and over .....	18.2	*	*	19.2	33.2	38.6
<u>Total</u> .....	98.9	8.4	7.9	107.3	60.7	69.4



Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, May 1988 (continued)

Age group (years)	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
		'000	'000	%	'000	
Balance of Queensland						
15-24 years .....	145.8	27.7	15.9	173.5	72.2	66.9
15-19 years .....	63.5	16.0	20.2	79.5	61.9	48.9
20-24 years .....	82.4	11.6	12.4	94.0	83.9	18.0
25-44 years .....	327.6	25.5	7.2	353.2	79.6	90.5
45 years and over .....	157.9	10.2	6.1	168.1	40.0	251.9
<b>Total</b> .....	631.3	63.4	9.1	694.8	62.9	409.3
South and East Moreton						
15-24 years .....	24.7	3.9	13.5	28.5	73.4	10.4
15-19 years .....	10.5	*	*	12.7	61.1	8.1
20-24 years .....	14.1	*	*	15.8	87.3	*
25-44 years .....	57.2	3.7	6.1	60.9	82.7	12.8
45 years and over .....	22.9	*	*	25.3	32.4	52.9
<b>Total</b> .....	104.7	10.0	8.7	114.7	60.1	76.0
North and West Moreton						
15-24 years .....	15.6	4.1	20.8	19.7	73.3	7.2
15-19 years .....	8.5	*	*	11.0	66.6	5.5
20-24 years .....	7.1	*	*	8.7	84.0	*
25-44 years .....	41.3	3.5	7.9	44.8	75.6	14.5
45 years and over .....	19.4	*	*	20.7	30.9	46.1
<b>Total</b> .....	76.3	9.0	10.5	85.2	55.7	67.8
Wide Bay-Burnett						
15-24 years .....	14.5	3.5	19.6	18.0	71.8	7.1
15-19 years .....	6.2	*	*	7.9	57.6	5.8
20-24 years .....	8.3	*	*	10.1	89.2	*
25-44 years .....	38.3	3.4	8.1	41.6	83.2	8.4
45 years and over .....	21.5	*	*	22.4	35.4	40.9
<b>Total</b> .....	74.3	7.8	9.5	82.1	59.3	56.4
Darling Downs-South West						
15-24 years .....	20.4	3.4	14.2	23.8	72.5	9.0
15-19 years .....	8.9	*	*	11.1	63.9	6.3
20-24 years .....	11.5	*	*	12.6	82.3	2.7
25-44 years .....	39.4	*	*	41.5	77.0	12.4
45 years and over .....	26.4	*	*	27.1	46.8	30.8
<b>Total</b> .....	86.2	6.1	6.6	92.3	63.9	52.1



Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, May 1988 (continued)

Age group (years)	Employed		Unemployed		Total labour force		Not in labour force
	Number	Rate (a)	Number	Rate (a)	Number	Participation rate (b)	
	'000	%	'000	%	'000	%	'000
Mackay-Fitzroy-Central West							
15-24 years .....	29.4	6.8	18.8	18.8	36.2	71.1	14.7
15-19 years .....	11.8	*	*	*	15.2	60.7	9.8
20-24 years .....	17.7	*	*	*	21.1	81.0	4.9
25-44 years .....	60.6	6.7	9.9	9.9	67.2	75.5	21.8
45 years and over .....	28.5	*	*	*	30.7	52.3	28.0
<b>Total</b> .....	118.5	15.6	11.6	11.6	134.1	67.5	64.5
Northern-North West							
15-24 years .....	20.6	*	*	*	24.0	65.9	12.4
15-19 years .....	8.9	*	*	*	11.3	56.1	8.8
20-24 years .....	11.7	*	*	*	12.7	78.0	3.6
25-44 years .....	46.4	*	*	*	49.0	83.2	9.9
45 years and over .....	25.1	*	*	*	26.2	46.3	30.4
<b>Total</b> .....	92.1	7.0	7.1	7.1	99.2	65.3	52.7
Far North							
15-24 years .....	20.6	*	*	*	23.2	79.0	6.1
15-19 years .....	8.8	*	*	*	10.3	69.3	4.6
20-24 years .....	11.9	*	*	*	12.9	89.1	*
25-44 years .....	44.5	3.7	7.6	7.6	48.2	81.7	10.8
45 years and over .....	14.1	*	*	*	15.7	40.8	22.8
<b>Total</b> .....	79.2	7.9	9.1	9.1	87.1	68.7	39.7
Total Queensland							
15-24 years .....	275.9	47.9	14.8	14.8	323.9	72.1	125.0
15-19 years .....	119.3	28.3	19.2	19.2	147.6	61.7	91.5
20-24 years .....	156.6	19.6	11.1	11.1	176.2	84.0	33.5
25-44 years .....	607.3	40.0	6.2	6.2	647.3	78.7	175.1
45 years and over .....	291.7	16.3	5.3	5.3	307.9	39.8	466.6
<b>Total</b> .....	1,174.9	104.2	8.1	8.1	1,279.1	62.5	766.8

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 8 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Marital Status,  
Queensland, May 1988

Marital status	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
<b>Males</b>									
Married .....	441.6	459.9	22.8	23.9	483.7	134.9	618.6	4.9	78.2
Not married ...	215.7	251.6	26.9	32.6	284.1	107.8	391.9	11.5	72.5
<b>Females</b>									
Married .....	144.8	277.7	10.0	17.8	295.5	317.9	613.4	6.0	48.2
Not married ...	130.9	185.8	21.7	29.9	215.7	206.2	421.9	13.9	51.1
<b>Persons</b>									
Married .....	586.4	737.6	32.8	41.6	779.2	452.8	1,232.0	5.3	63.2
Not married ...	346.6	437.4	48.7	62.5	499.9	314.0	813.9	12.5	61.4

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 9 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Birthplace and Period of Arrival in Australia, Queensland, May 1988

Birthplace and period of arrival			Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Employed	Unemployed					
	'000	'000	'000	'000	'000	%	%
Birthplace							
Born in Australia .....	967.5	83.4	1,050.9	584.4	1,635.3	7.9	64.3
<u>Born outside Australia</u> .....	207.4	20.8	228.2	145.7	373.9	9.1	61.0
Africa .....	6.0	*	7.3	3.2	10.4	*	69.7
America .....	7.5	*	8.2	3.4	11.6	*	70.5
Asia .....	20.2	*	21.7	14.4	36.2	*	60.1
<u>Europe</u> .....	118.4	11.8	130.2	101.7	231.9	9.1	56.1
U.K. and Ireland .....	78.1	6.8	85.0	62.3	147.3	8.1	57.7
Other European countries	40.3	5.0	45.2	39.4	84.6	11.0	53.4
<u>Oceania</u> .....	55.3	5.5	60.8	23.0	83.8	9.0	72.6
New Zealand .....	44.8	4.2	49.1	17.0	66.1	8.6	74.3
Period of arrival							
Before 1971 .....	100.8	9.3	110.1	89.6	199.7	8.5	55.2
1971-1975 .....	26.4	3.5	29.9	14.2	44.1	11.7	67.8
1976-1980 .....	23.9	*	25.5	11.4	37.0	*	69.1
1981-1985 .....	31.1	3.5	34.6	16.8	51.4	10.0	67.2
1986 to survey date .....	25.2	*	28.1	13.6	41.7	*	67.3

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Total ..... 252.6 428.9 28.6 41.0 469.9 467.7 937.6 8.7 50.1



Table 10 - Labour Force Status of the Civilian Population Aged 15 to 19 Years by Full-time Attendance at an Educational Institution, Queensland, May 1988

Sex	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Civilian population aged 15 to 19 years '000	Unemploy- ment rate (a) %	Partici- pation rate (b) %
Attending Neither School Nor a Tertiary Educational Institution Full-time							
Males .....	46.8	9.4	56.2	3.8	60.0	16.7	93.6
Females .....	41.3	8.4	49.7	6.8	56.5	17.0	87.9
Persons .....	88.0	17.8	105.8	10.7	116.5	16.8	90.8
Attending a Tertiary Institution Full-time							
Males .....	*	*	3.6	9.7	13.3	*	26.9
Females .....	5.7	*	7.5	6.1	13.6	*	55.2
Persons .....	8.4	*	11.1	15.8	26.9	*	41.3
Attending School							
Males .....	10.3	4.1	14.4	33.6	48.0	28.5	30.0
Females .....	12.6	3.7	16.3	31.5	47.8	22.7	34.1
Persons .....	22.9	7.8	30.7	65.1	95.8	25.4	32.1
Total							
Males .....	59.8	14.3	74.1	47.1	121.2	19.3	61.1
Females .....	59.5	14.0	73.5	44.4	117.9	19.0	62.3
Persons .....	119.3	28.3	147.6	91.5	239.2	19.2	61.7

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 11 - Labour Force Status of the Civilian Population Aged 20 to 24 Years by Full-time Attendance at a Tertiary Institution, Queensland, May 1988

Sex	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Civilian population aged 15 to 19 years '000	Unemploy- ment rate (a) %	Partici- pation rate (b) %
Not Attending a Tertiary Educational Institution Full-time							
Males .....	67.4	9.0	76.5	*	78.2	11.8	97.8
Females .....	53.9	6.0	59.9	20.5	80.4	10.0	74.5
Persons .....	121.3	15.0	136.4	22.3	158.6	11.0	86.0
Attending a Tertiary Institution Full-time							
Males .....	*	*	*	*	5.1	*	*
Females .....	*	*	*	*	3.2	*	*
Persons .....	*	*	3.6	4.7	8.3	*	43.1
Total							
Males .....	69.6	9.7	79.4	4.0	83.3	12.3	95.2
Females .....	54.6	6.0	60.6	23.0	83.6	9.9	72.5
Persons .....	124.2	15.7	140.0	27.0	167.0	11.2	83.8

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 12 - Family Status by Labour Force Status and Sex of the Civilian Population  
Aged 15 Years and Over, Queensland, May 1988

Family status	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Males									
Member of a family .....	516.0	553.9	37.3	42.7	596.6	177.2	773.8	7.2	77.1
Husband .....	419.3	435.1	21.4	22.5	457.6	125.3	582.9	4.9	78.5
With children aged 0-14 years									
present .....	236.3	241.8	12.8	13.3	255.1	11.6	266.7	5.2	95.7
Without children aged 0-14 years present .....	183.0	193.3	8.6	9.1	202.5	113.8	316.2	4.5	64.0
Not-married family head .....	9.5	10.4	*	*	11.2	5.5	16.7	*	67.2
With children aged 0-14 years									
present .....	*	*	*	*	3.1	*	4.1	*	75.4
Without children aged 0-14 years present .....	7.1	7.9	*	*	8.1	4.5	12.6	*	64.5
Full-time student aged 15-24 years (c) .....	*	13.4	*	4.7	18.2	34.9	53.0	26.1	34.2
Other child of family head .....	77.9	85.4	12.8	13.5	98.9	6.9	105.8	13.7	93.5
Other relative of family head ...	9.1	9.6	*	*	10.7	4.6	15.4	*	69.8
Not a member of a family .....	100.9	108.5	7.3	8.1	116.6	33.0	149.6	6.9	77.9
Living alone .....	43.4	45.3	3.3	3.5	48.7	25.8	74.5	7.1	65.4
Not living alone .....	57.5	63.2	4.0	4.6	67.9	7.2	75.1	6.8	90.4
<u>Total</u> .....	616.8	662.4	44.6	50.8	713.2	210.3	923.4	7.1	77.2
Females									
Member of a family .....	201.1	364.7	19.6	33.2	398.0	387.7	785.7	8.4	50.7
Wife .....	133.4	259.5	7.5	14.9	274.4	298.4	572.8	5.4	47.9
With children aged 0-14 years									
present .....	53.5	130.0	3.0	7.7	137.7	123.1	260.9	5.6	52.8
Without children aged 0-14 years present .....	79.9	129.5	4.5	7.2	136.7	175.3	312.0	5.3	43.8
Not-married family head .....	17.4	28.8	4.3	6.3	35.2	37.8	72.9	18.0	48.2
With children aged 0-14 years									
present .....	8.6	16.3	*	4.6	20.9	20.6	41.5	22.1	50.4
Without children aged 0-14 years present .....	8.7	12.5	*	*	14.2	17.2	31.4	*	45.3
Full-time student aged 15-24 years (c) .....	*	17.1	*	4.6	21.7	31.7	53.4	21.4	40.7
Other child of family head .....	46.7	54.7	6.2	6.5	61.2	6.1	67.3	10.7	90.9
Other relative of family head ...	3.1	4.6	*	*	5.5	13.8	19.3	*	28.6
Not a member of a family .....	51.5	64.2	7.0	7.7	71.9	80.0	151.9	10.7	47.3
Living alone .....	16.8	21.5	*	3.2	24.7	70.0	94.8	12.9	26.1
Not living alone .....	34.7	42.6	4.2	4.5	47.2	10.0	57.2	9.6	82.5
<u>Total</u> .....	252.6	428.9	26.6	41.0	469.9	467.7	937.6	8.7	50.1



Table 12 - Family Status by Labour Force Status and Sex of the Civilian Population  
Aged 15 Years and Over, Queensland, May 1988 (continued)

Family status	Employed		Unemployed		Labour force	Not in labour force	Civilian populat- ion aged 15 years and over	Unemp- loyment rate (a)	Partici- pation rate (b)
	Full- time	Total	Looking for full- time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Persons									
Member of a family .....	717.1	918.6	56.8	75.9	994.6	565.0	1,559.5	7.6	63.8
Husband or wife .....	552.7	694.6	28.9	37.4	732.0	423.7	1,155.7	5.1	63.3
With children aged 0-14 years									
present .....	289.8	371.8	15.8	21.0	392.9	134.7	527.6	5.4	74.5
Without children aged 0-14									
years present .....	262.9	322.8	13.0	16.3	339.1	289.0	628.2	4.8	54.0
Not-married family head .....	26.9	39.2	5.0	7.2	46.4	43.3	89.6	15.5	51.8
With children aged 0-14 years									
present .....	11.0	18.7	3.2	5.3	24.1	21.6	45.7	22.1	52.7
Without children aged 0-14									
years present .....	15.8	20.4	*	*	22.3	21.6	44.0	*	50.8
Full-time student aged 15-24									
years (c) .....	*	30.5	*	9.4	39.9	66.5	106.4	23.5	37.5
Other child of family head .....	124.6	140.0	19.0	20.0	160.0	13.0	173.1	12.5	92.5
Other relative of family head ...	12.3	14.3	*	*	16.3	18.4	34.6	*	46.9
Not a member of a family .....	152.4	172.7	14.3	15.8	188.5	113.0	301.5	8.4	62.5
Living alone .....	60.2	66.8	6.2	6.7	73.5	95.8	169.3	9.1	43.4
Not living alone .....	92.2	105.9	8.2	9.1	115.0	17.2	132.2	7.9	87.0
<u>Total</u> .....	869.5	1,091.3	71.2	91.7	1,183.0	678.0	1,861.0	7.8	63.6
Usual resident of a private dwelling where family status was not determined .....	22.0	29.4	*	3.2	32.6	14.1	46.7	9.9	69.8
<u>Total usual residents of private   dwellings</u> .....	891.5	1,120.7	73.6	95.0	1,215.6	692.1	1,907.8	7.8	63.7
Visitors to private dwellings .....	10.2	12.6	*	*	15.2	13.3	28.5	*	53.3
Persons enumerated in non-private dwellings .....	31.3	41.7	5.5	6.6	48.3	61.3	109.6	13.6	44.0
<u>Total</u> .....	933.0	1,174.9	81.5	104.2	1,279.1	766.8	2,045.9	8.1	62.5

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

(c) Excludes persons aged 20-24 years attending school.



Table 13 - Employed Persons (a) by Full-time or Part-time Status, Queensland

Month	Males		Females				Persons			
			Married		Not married (b)		Total			
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Number ('000)										
1987: April .....	619.3	54.8	132.6	132.0	126.2	46.4	258.8	178.4	878.0	233.2
May .....	622.6	52.9	135.5	125.4	126.5	46.7	262.0	172.1	884.5	225.0
June .....	625.4	51.4	135.7	124.4	123.9	49.5	259.6	173.9	885.1	225.3
July .....	630.0	50.8	135.3	123.4	126.8	48.6	262.0	172.0	892.0	222.9
August .....	618.7	58.2	135.8	126.2	125.2	45.2	260.9	171.3	879.7	229.5
September .....	629.0	51.5	133.1	125.8	129.6	52.6	262.7	178.4	891.7	229.9
October ...	625.7	50.5	136.8	123.0	123.9	56.0	260.7	179.0	886.4	229.5
November ..	619.0	58.1	127.5	136.1	124.1	57.4	251.6	193.5	870.6	251.6
December ..	637.6	55.1	130.1	125.0	132.6	54.7	262.6	179.6	900.2	234.7
1988: January ...	624.6	54.4	138.8	105.8	122.4	55.0	261.2	160.8	885.8	215.2
February ..	635.5	47.3	134.4	122.6	125.6	57.9	260.0	180.5	895.5	227.8
March .....	644.9	55.6	138.9	131.2	123.5	56.6	262.3	187.8	907.3	243.4
April .....	650.9	55.2	142.3	132.2	125.5	54.2	267.8	186.5	918.7	241.7
May .....	657.4	54.1	144.8	132.9	130.9	55.0	275.6	187.9	933.0	242.0

Full-time/Part-time as a Proportion of Employed Persons (c) (per cent)

1987: April .....	91.9	8.1	50.1	49.9	73.1	26.9	59.2	40.8	79.0	21.0
May .....	92.2	7.8	51.9	48.1	73.0	27.0	60.4	39.6	79.7	20.3
June .....	92.4	7.6	52.2	47.8	71.4	28.6	59.9	40.1	79.7	20.3
July .....	92.5	7.5	52.3	47.7	72.3	27.7	60.4	39.6	80.0	20.0
August .....	91.4	8.6	51.8	48.2	73.5	26.5	60.4	39.6	79.3	20.7
September .....	92.4	7.6	51.4	48.6	71.1	28.9	59.5	40.5	79.5	20.5
October ...	92.5	7.5	52.7	47.3	68.8	31.2	59.3	40.7	79.4	20.6
November ..	91.4	8.6	48.4	51.6	68.4	31.6	56.5	43.5	77.6	22.4
December ..	92.1	7.9	51.0	49.0	70.8	29.2	59.4	40.6	79.3	20.7
1988: January ...	92.0	8.0	56.7	43.3	69.0	31.0	61.9	38.1	80.5	19.5
February ..	93.1	6.9	52.3	47.7	68.4	31.6	59.0	41.0	79.7	20.3
March .....	92.1	7.9	51.4	48.6	68.6	31.4	58.3	41.7	78.8	21.2
April .....	92.2	7.8	51.8	48.2	69.8	30.2	59.0	41.0	79.2	20.8
May .....	92.4	7.6	52.1	47.9	70.4	29.6	59.5	40.5	79.4	20.6

(a) Civilians 15 years of age and over.

(b) Never married, widowed, separated or divorced.

(c) Employed persons in each category (full-time males, part-time males, etc.) as a proportion of all employed persons in the corresponding sex/marital status group (i.e. males, married females, not married females, total females or persons).

Total .....

(a) Civilians aged 15 years and over.

(b) Never married, widowed, separated or divorced.

(c) See Explanatory Notes.



Table 14 - Employed Persons (a) by Industry Division and Status of Worker, Queensland, May 1988  
( '000)

Industry division and status of worker	Males	Females			Persons
		Married	Not married (b)	Total	
Agriculture, forestry, fishing and hunting ....	58.8	22.3	4.1	26.4	85.2
Mining .....	19.7	*	*	*	22.0
Manufacturing .....	105.8	22.1	11.8	34.0	139.7
Electricity, gas and water .....	13.7	*	*	*	15.8
Construction .....	82.8	12.9	*	14.3	97.1
Wholesale and retail trade .....	133.6	63.4	50.6	114.0	247.6
Transport and storage .....	59.1	7.6	5.6	13.2	72.3
Communication .....	15.9	3.4	3.0	6.4	22.3
Finance, property and business services .....	66.9	30.7	21.0	51.7	118.6
Public administration and defence .....	33.5	7.1	9.6	16.7	50.3
Community services .....	76.2	74.9	48.8	123.7	199.9
Recreation, personal and other services .....	45.7	31.0	27.6	58.6	104.3
<b>Total employed .....</b>	<b>711.4</b>	<b>277.7</b>	<b>185.8</b>	<b>463.5</b>	<b>1,174.9</b>
Employers .....	50.8	24.2	*	26.0	76.9
Self-employed .....	90.6	38.4	5.9	44.3	134.9
Wage and salary earners .....	564.3	206.6	176.5	383.1	947.4
Unpaid family helpers .....	5.7	8.5	*	10.1	15.8

(a) Civilians aged 15 years and over.

(b) Never married, widowed, separated or divorced.

Table 15 - Employed Persons (a) by Occupation Group, Queensland, May 1988  
( '000)

Occupation group	Males	Females			Persons
		Married	Not married (b)	Total	
Managers and administrators .....	90.4	26.0	5.2	31.3	121.6
Professionals .....	78.1	25.4	19.8	45.2	123.3
Para-professionals .....	40.0	12.8	11.6	24.4	64.4
Tradespersons .....	165.8	10.7	8.5	19.2	184.9
Clerks .....	46.1	93.2	54.4	147.7	193.8
Salespersons and personal service workers .....	71.6	59.1	54.8	114.0	185.5
Plant and machine operators and drivers .....	81.5	6.5	4.6	11.1	92.6
Labourers and related workers .....	138.0	43.9	26.8	70.7	208.8
<b>Total .....</b>	<b>711.4</b>	<b>277.7</b>	<b>185.8</b>	<b>463.5</b>	<b>1,174.9</b>

(a) Civilians aged 15 years and over.

(b) Never married, widowed, separated or divorced.

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

(c) Excludes persons aged 20-24 years attending school.



Table 16 - Average Hours Worked (a) by Employed Persons (b) by Industry Division and Status of Worker, Queensland, May 1988

Industry division and status of worker	Males	Females			Persons
		Married	Not married (c)	Total	
Agriculture, forestry, fishing and hunting ....	49.8	29.7	24.9	29.0	43.3
Mining .....	41.3	*	*	29.6	40.1
Manufacturing .....	37.3	27.6	32.6	29.3	35.4
Electricity, gas and water .....	33.0	*	*	25.7	32.0
Construction .....	39.9	15.6	*	16.4	36.5
Wholesale and retail trade .....	38.8	27.1	24.3	25.8	32.8
Transport and storage .....	40.8	22.5	31.0	26.1	38.1
Communication .....	30.9	30.0	31.0	30.5	30.8
Finance, property and business services .....	38.8	24.9	30.5	27.2	33.7
Public administration and defence .....	32.0	28.1	28.0	28.1	30.7
Community services .....	37.7	27.1	32.5	29.2	32.4
Recreation, personal and other services .....	40.2	31.2	30.0	30.6	34.8
<u>Total employed</u> .....	39.2	27.0	29.0	27.8	34.7
Employers .....	52.8	32.5	47.8	33.6	46.3
Self-employed .....	45.0	26.2	43.8	28.5	39.6
Wage and salary earners .....	37.2	27.1	28.5	27.8	33.4
Unpaid family helpers .....	25.0	12.6	9.9	12.2	16.8
Full-time workers .....	41.2	38.6	35.6	37.2	40.0
Part-time workers .....	15.0	14.4	13.3	14.1	14.3

(a) Persons with jobs who did not work during survey week have been included in the calculation of average hours worked. (b) Civilians aged 15 years and over. (c) Never married, widowed, separated or divorced.

Table 17 - Employed Persons (a) by Hours Worked, Queensland, May 1988 ('000)

Hours worked	Males	Females			Persons
		Married	Not married (b)	Total	
0 (c) .....	27.3	12.0	7.7	19.7	47.0
1-15 .....	34.4	70.8	33.5	104.3	138.7
16-29 .....	56.1	61.3	28.2	89.5	145.6
30-34 .....	155.4	43.2	41.2	84.4	239.9
35-39 .....	76.5	21.8	21.7	43.5	120.0
40 .....	120.1	31.4	31.6	63.0	183.2
41-44 .....	31.9	6.8	6.2	13.0	44.9
45-48 .....	57.8	7.9	5.5	13.3	71.1
49 and over .....	152.0	22.4	10.2	32.6	184.6
<u>Total</u> .....	711.4	277.7	185.8	463.5	1,174.9

(a) Civilians aged 15 years and over.  
(c) See Explanatory Notes.

(b) Never married, widowed, separated or divorced.



Table 18 - Employed Persons (a) by Status, Industry Division and Occupation Group in Labour Force Regions, Queensland,

May 1988 ('000)					
Particulars	Brisbane Statistical Division				Total
	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East BSD Balance	North and West BSD Balance	
Status of worker					
Wage and salary earners .....	154.6	152.3	76.2	84.3	467.5
Others .....	21.0	26.6	14.0	14.5	76.1
Full-time and part-time status					
Full-time .....	140.4	144.3	71.9	77.8	434.3
Part-time .....	35.2	34.6	18.4	21.1	109.3
Industry division					
Agriculture, forestry, fishing and hunting .....	*	*	*	*	4.8
Mining .....	*	*	*	*	3.0
Manufacturing .....	15.3	26.7	18.3	19.4	79.8
Electricity, gas and water ....	*	*	*	*	7.4
Construction .....	9.1	16.0	9.5	5.2	39.8
Wholesale and retail trade ....	34.5	40.6	20.3	23.8	119.2
Transport and storage .....	11.9	11.1	5.0	6.5	34.4
Communication .....	4.9	*	*	*	10.3
Finance, property and business services .....	29.0	24.1	6.6	11.7	71.4
Public administration and defence .....	8.6	8.9	2.9	4.4	24.9
Community services .....	41.1	30.0	16.0	16.9	104.0
Recreation, personal and other services .....	17.5	14.9	5.5	6.7	44.5
Major occupation group					
Managers and administrators ...	10.5	13.1	7.8	6.2	37.7
Professionals .....	30.4	23.7	7.7	11.1	72.9
Para-professionals .....	12.3	10.4	4.7	5.0	32.3
Tradespersons .....	20.7	25.6	15.5	15.7	77.5
Clerks .....	39.7	38.3	16.0	17.8	111.9
Salespersons and personal service workers .....	30.4	30.0	10.9	17.5	88.8
Plant and machine operators and drivers .....	7.1	11.0	8.8	9.1	36.0
Labourers and related workers	24.6	26.7	18.8	16.4	86.5
Total employed .....	175.6	178.9	90.2	98.9	543.6



Table 18 - Employed Persons (a) by Status, Industry Division and Occupation Group in Labour Force Regions, Queensland,  
May 1988 (continued)  
('000)

Particulars	Balance of Queensland							Total Queensland	
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs-South West	Mackay- Fitzroy- Central West	Northern- North West	Far North		
Status of worker									
Wage and salary earners .....	79.3	54.0	50.9	61.2	95.7	76.6	62.2	479.9	947.4
Others .....	25.4	22.3	23.4	25.0	22.8	15.5	17.0	151.4	227.6
Full-time and part-time status									
Full-time .....	79.4	58.6	59.0	71.5	96.2	74.8	59.1	498.6	933.0
Part-time .....	25.3	17.7	15.3	14.7	22.3	17.4	20.1	132.7	242.0
Industry division									
Agriculture, forestry, fishing and hunting .....	*	10.2	18.5	22.6	12.5	8.0	7.9	80.4	85.2
Mining .....	*	*	*	*	8.0	4.8	*	19.0	22.0
Manufacturing .....	11.7	5.7	9.0	6.1	10.4	9.0	8.1	60.0	139.7
Electricity, gas and water ....	*	*	*	*	*	*	*	8.4	15.8
Construction .....	14.2	9.5	5.0	5.4	10.1	6.6	6.5	57.2	97.1
Wholesale and retail trade ....	24.6	15.5	13.9	15.2	22.3	20.9	15.9	128.3	247.6
Transport and storage .....	4.5	4.3	3.6	5.5	11.2	5.9	*	37.9	72.3
Communication .....	*	*	*	*	*	*	*	12.0	22.3
Finance, property and business services .....	15.8	6.0	3.8	4.3	6.3	6.2	4.8	47.2	118.6
Public administration and defence .....	*	4.0	3.5	5.6	*	*	*	25.4	50.3
Community services .....	13.0	11.5	9.7	13.1	17.7	16.3	14.6	95.9	199.9
Recreation, personal and other services .....	14.8	7.2	3.6	4.5	11.5	7.9	10.1	59.8	104.3
Major occupation group									
Managers and administrators ...	9.0	11.6	15.3	19.1	12.8	7.1	9.2	84.0	121.6
Professionals .....	8.4	8.4	3.6	5.9	8.5	9.6	6.0	50.3	123.3
Para-professionals .....	4.1	*	3.8	4.0	7.0	5.4	5.7	32.1	64.4
Tradespersons .....	19.9	12.4	10.6	14.5	21.5	17.3	11.3	107.4	184.9
Clerks .....	19.4	11.0	8.4	8.6	12.6	11.4	10.6	81.9	193.8
Salespersons and personal service workers .....	19.8	11.5	11.6	10.7	16.1	13.6	13.3	96.7	185.5
Plant and machine operators and drivers .....	8.4	6.1	7.3	6.2	14.6	8.9	5.1	56.6	92.6
Labourers and related workers	15.8	13.3	13.8	17.1	25.3	19.0	18.0	122.3	208.8
<b>Total employed .....</b>	<b>104.7</b>	<b>76.3</b>	<b>74.3</b>	<b>86.2</b>	<b>118.5</b>	<b>92.1</b>	<b>79.2</b>	<b>631.3</b>	<b>1,174.9</b>

(a) Civilians aged 15 years and over.



Table 19 - Unemployed Persons by Duration of Unemployment (a), Queensland

Duration of unemployment (a)	1987			1988		
	March	April	May	March	April	May
Males						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks .....	12.1	9.7	10.0	13.4	11.7	8.9
4 and under 8 weeks .....	11.4	6.1	7.1	8.5	6.9	6.6
8 and under 13 weeks .....	10.9	8.3	4.2	9.9	7.3	4.9
13 and under 26 weeks .....	12.4	18.9	19.9	10.8	14.6	12.1
26 and under 52 weeks .....	12.9	12.6	12.9	7.8	8.4	8.4
52 weeks and over .....	19.7	17.4	19.9	17.3	15.5	15.5
<u>Total</u> .....	79.5	73.0	73.9	67.6	64.4	56.4
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment .....	15	19	22	14	16	20
Females						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks .....	12.6	9.2	8.1	14.7	12.0	10.7
4 and under 8 weeks .....	10.5	6.6	5.5	10.1	5.7	5.0
8 and under 13 weeks .....	7.2	6.7	4.7	7.1	10.9	3.8
13 and under 26 weeks .....	9.4	11.7	13.4	10.7	8.6	12.9
26 and under 52 weeks .....	7.4	7.3	8.8	5.0	6.2	6.7
52 weeks and over .....	11.6	11.9	10.4	10.1	10.5	8.7
<u>Total</u> .....	58.8	53.4	50.8	57.7	53.9	47.7
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment .....	12	14	17	10	12	15
Persons						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks .....	24.7	18.9	18.0	28.1	23.8	19.5
4 and under 8 weeks .....	21.9	12.6	12.6	18.6	12.6	11.6
8 and under 13 weeks .....	18.1	15.0	8.8	16.9	18.2	8.7
13 and under 26 weeks .....	21.9	30.7	33.3	21.5	23.2	25.0
26 and under 52 weeks .....	20.3	20.0	21.7	12.7	14.6	15.2
52 weeks and over .....	31.3	29.2	30.3	27.3	26.0	24.2
<u>Total</u> .....	138.3	126.4	124.7	125.3	118.3	104.2
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment .....	14	17	20	12	14	18

(a) See Explanatory Notes.



Table 20 - Unemployed Persons by Duration of Unemployment (a) in Labour Force Regions, Queensland, May 1988

Region	Unemployed			
	Under 13 weeks	13 weeks and over	Total	Median duration
	'000	'000	'000	weeks
Males				
Brisbane Statistical Division ....	9.2	11.5	20.7	17
Brisbane City Inner Ring .....	*	3.2	5.2	*
Brisbane City Outer Ring .....	3.2	2.4	5.6	*
South and East BSD Balance .....	*	3.0	5.3	*
North and West BSD Balance .....	*	2.9	4.5	*
Balance of Queensland .....	11.2	24.6	35.7	22
South and East Moreton .....	*	3.8	4.8	*
North and West Moreton .....	*	*	5.3	*
Wide Bay-Burnett .....	*	2.7	3.5	*
Darling Downs-South West .....	*	2.9	3.5	*
Mackay-Fitzroy-Central West ....	*	6.5	10.0	*
Northern-North West .....	*	*	4.0	*
Far North .....	*	*	4.8	*
Total Queensland .....	20.3	36.1	56.4	20
Females				
Brisbane Statistical Division ....	8.8	11.2	20.0	15
Brisbane City Inner Ring .....	2.7	3.2	5.9	*
Brisbane City Outer Ring .....	3.0	2.7	5.7	*
South and East BSD Balance .....	*	2.9	4.5	*
North and West BSD Balance .....	*	*	3.9	*
Balance of Queensland .....	10.7	17.0	27.7	16
South and East Moreton .....	*	*	5.3	*
North and West Moreton .....	*	*	3.7	*
Wide Bay-Burnett .....	*	3.0	4.3	*
Darling Downs-South West .....	*	*	2.7	*
Mackay-Fitzroy-Central West ....	*	*	5.6	*
Northern-North West .....	*	*	*	*
Far North .....	*	*	*	*
Total Queensland .....	19.5	28.2	47.7	15
Persons				
Brisbane Statistical Division ....	18.0	22.7	40.7	16
Brisbane City Inner Ring .....	4.7	6.4	11.1	16
Brisbane City Outer Ring .....	6.2	5.2	11.4	8
South and East BSD Balance .....	3.9	5.9	9.8	*
North and West BSD Balance .....	3.2	5.3	8.4	*
Balance of Queensland .....	21.8	41.6	63.4	20
South and East Moreton .....	3.6	6.4	10.0	*
North and West Moreton .....	3.9	5.1	9.0	*
Wide Bay-Burnett .....	*	5.6	7.8	*
Darling Downs-South West .....	*	4.7	6.1	*
Mackay-Fitzroy-Central West ....	5.2	10.4	15.6	19
Northern-North West .....	*	4.5	7.0	*
Far North .....	*	4.8	7.9	*
Total Queensland .....	39.8	64.3	104.2	18

(a) See Explanatory Notes.



Table 21 - Unemployed Persons and Unemployment Rates (a) by Birthplace and Age Group, Queensland,  
May 1988

Particulars	Number			Unemployment Rate		
	Males	Females	Persons	Males	Females	Persons
	'000	'000	'000	%	%	%
Born in Australia						
Looking for full-time work .....	39.1	24.7	63.9	6.8	9.9	7.7
Looking for part-time work .....	5.8	13.7	19.5	11.3	7.9	8.7
<b>Total</b> .....	<b>44.9</b>	<b>38.5</b>	<b>83.4</b>	<b>7.2</b>	<b>9.1</b>	<b>7.9</b>
Age group (years)						
15-19 .....	12.8	12.3	25.2	18.8	18.8	18.8
20-24 .....	10.1	6.2	16.3	11.9	9.5	10.9
25-34 .....	9.9	8.1	18.0	5.8	7.4	6.5
35-44 .....	6.1	8.1	14.2	4.2	7.9	5.7
45-54 .....	3.0	3.1	6.0	3.2	5.5	4.1
55 and over .....	*	*	3.6	*	*	4.0
Born outside Australia						
Looking for full-time work .....	10.6	7.0	17.6	8.1	12.3	9.4
Looking for part-time work .....	*	*	3.2	*	*	7.8
<b>Total</b> .....	<b>11.5</b>	<b>9.3</b>	<b>20.8</b>	<b>8.2</b>	<b>10.6</b>	<b>9.1</b>
Age group (years)						
15-19 .....	*	*	3.1	*	*	23.0
20-24 .....	*	*	3.3	*	*	12.7
25-34 .....	*	*	4.2	*	*	7.7
35-44 .....	*	*	3.6	*	*	5.5
45-54 .....	*	*	3.9	*	*	8.8
55 and over .....	*	*	*	*	*	*
Place of birth						
Main English-speaking countries (b) .....	5.7	6.3	12.0	6.6	11.1	8.4
Other .....	5.8	*	8.8	10.7	*	10.3

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) Comprises the United Kingdom, Ireland, Canada, the United States of America, South Africa and New Zealand.

(a) See Explanatory Notes.



Table 22 - Unemployed Persons and Unemployment Rates (a) by Industry Division and Occupation Group of Last Full-time Job, Queensland

Unemployment category, industry division and occupation group	May 1987		August 1987		November 1987		February 1988		May 1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
	'000	%	'000	%	'000	%	'000	%	'000	%
Persons who had worked full-time for 2 weeks or more in the last 2 years .....	77.6	6.5	68.1	5.8	62.3	5.3	68.2	5.7	61.8	5.0
Industry division										
Agriculture, forestry, fishing and hunting .....	4.8	5.3	3.6	4.1	5.2	5.8	5.7	6.1	5.3	5.9
Manufacturing .....	13.4	9.4	12.3	8.5	11.5	8.2	11.8	8.5	12.9	8.5
Construction .....	9.0	9.7	8.0	9.1	7.3	8.3	8.7	8.7	6.3	6.1
Wholesale and retail trade ....	20.8	8.2	20.8	8.0	12.9	4.8	12.1	4.7	14.4	5.5
Community services .....	6.8	3.5	5.1	2.7	6.5	3.3	6.3	3.2	5.4	2.6
Recreation, personal and other services .....	9.1	9.0	7.3	7.2	8.1	8.0	9.6	9.5	6.3	5.7
Other industries .....	13.7	4.4	11.0	3.6	10.8	3.6	14.1	4.6	11.2	3.6
Occupation group										
Managers and administrators ...	3.3	2.7	*	*	*	*	*	*	*	*
Professionals .....	*	*	*	*	*	*	3.4	2.9	*	*
Para-professionals .....	*	*	*	*	*	*	*	*	*	*
Tradespersons .....	10.6	5.5	11.6	6.2	11.2	6.1	11.8	6.1	8.7	4.5
Clerks .....	8.9	4.7	7.7	4.0	4.6	2.5	9.0	4.5	6.8	3.4
Salespersons and personal service workers .....	14.1	7.6	13.4	6.8	10.9	5.4	11.0	5.6	9.7	5.0
Plant and machine operators and drivers .....	7.1	7.3	5.6	6.0	6.8	7.0	6.9	7.6	8.7	8.6
Labourers and related workers	29.8	13.4	22.0	10.6	22.6	10.5	22.2	10.5	21.8	9.5
Other										
Persons looking for first job ...	11.3	..	11.1	..	10.5	..	16.8	..	10.3	..
Persons who have not worked full-time for 2 weeks or more during the last 2 years (b) ....	34.1	..	32.3	..	31.6	..	38.2	..	29.9	..
Persons stood down .....	*	..	*	..	*	..	3.3	..	*	..
Total unemployed .....	124.7	10.1	113.2	9.3	105.8	8.6	126.5	10.1	104.2	8.1
Persons looking for full-time work	106.4	10.7	96.1	9.8	89.4	9.3	100.4	10.1	81.5	8.0
Persons looking for part-time work	18.2	7.5	17.2	7.0	16.3	6.1	26.1	10.3	22.7	8.6

(a) The number of unemployed in each industry division or occupation group as a percentage of the labour force in that group.

(b) Excluding persons looking for their first job.

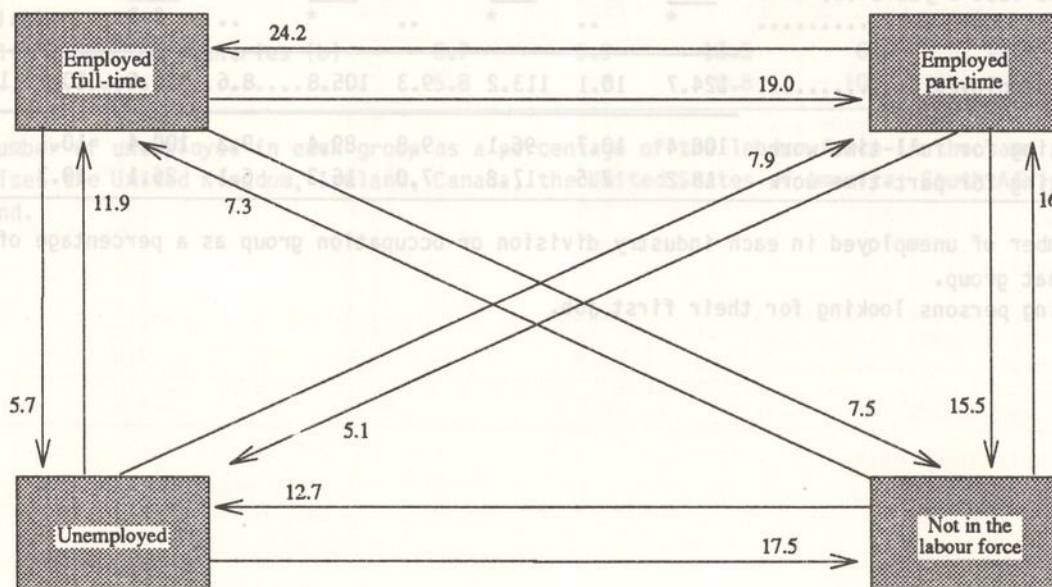


Table 23 - Estimates of Changes in Labour Force Status and Gross Flows (a) Derived from Matched Records, Queensland, April 1988 to May 1988 ('000)

Particulars	Males	Females		Persons	
		Married	Total		
Labour force status					
April 1988	May 1988				
Employed full-time	Employed full-time .....	499.5	104.5	194.4	693.9
	Employed part-time .....	7.4	8.7	11.6	19.0
	Unemployed .....	4.5	*	*	5.7
	Not in labour force .....	3.6	3.3	3.9	7.5
Employed part-time	Employed full-time .....	8.9	10.9	15.3	24.2
	Employed part-time .....	25.3	91.9	127.1	152.4
	Unemployed .....	*	*	3.0	5.1
	Not in labour force .....	4.4	9.5	11.2	15.5
Unemployed	Employed full-time .....	8.4	*	3.4	11.9
	Employed part-time .....	*	*	5.5	7.9
	Unemployed .....	31.4	6.0	19.5	50.9
	Not in labour force .....	6.6	6.4	10.9	17.5
Not in labour force	Employed full-time .....	4.4	*	*	7.3
	Employed part-time .....	*	10.8	13.7	16.4
	Unemployed .....	3.5	3.9	9.2	12.7
	Not in labour force .....	160.1	234.5	369.9	530.1
Gross flows into	Employed .....	18.0	16.6	25.5	43.4
	Full-time .....	21.7	14.0	21.6	43.4
	Part-time .....	12.5	22.1	30.8	43.4
	Unemployed .....	10.0	5.6	13.4	23.4
	Not in labour force .....	14.5	19.1	26.0	40.5
Gross flows out of	Employed .....	14.5	14.4	19.3	33.8
	Full-time .....	15.5	12.3	16.8	32.3
	Part-time .....	15.3	21.6	29.5	44.8
	Unemployed .....	17.4	10.0	19.8	37.2
	Not in labour force .....	10.6	16.9	25.7	36.4
Total change of status .....		42.5	41.3	64.9	107.4
Population represented by the matched sample .....		775.2	497.8	802.9	1,578.0

(a) See Explanatory Notes.

DIAGRAM 8 - ESTIMATES OF CHANGES IN LABOUR FORCE STATUS DERIVED FROM MATCHED RECORDS, QUEENSLAND, APRIL 1988 TO MAY 1988 ('000 persons)





### Estimation Procedure

The labour force estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

### Reliability of the Estimates

Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. The sampling error is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been obtained if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors. The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error.

Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates derived from the survey and of monthly, quarterly and annual movements can be determined by using Tables A, B, D and E.

The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates. Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus their use should be restricted to that of providing snapshot information at a given point in time. They should not be regarded as reliable indicators of short-term (monthly) movements.

Standard errors of estimates derived from the monthly labour force survey have been re-estimated following the introduction of the new sample. The standard errors now applicable are shown in Tables A and D.

As the standard errors in Tables A and D show, the smaller the estimate the higher is the relative standard error. Small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable use. For the labour force survey, estimates which have a relative standard error larger than 25 per cent are not published but are shown in the tables in this publication as \*. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Tables B and E. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Tables B and E. Standard errors of quarterly movements can be obtained by multiplying the figures in Tables B and E by 1.5. Standard errors of all annual movements can be obtained by multiplying the figures in Tables A and D by 1.3. When using Tables A, B, D or E to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

Examples of the calculation and use of standard errors are given below:

- (a) From Table A it will be seen that an estimate of 20,000 has a standard error of 1,750. Therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey would have been within the range 18,250 to 21,750 and about 19 chances in 20 that it would have been within the range 16,500 to 23,500.
- (b) The estimate increases between two consecutive months from 50,000 to 75,000. Table B relates the standard error of the monthly movement to



## Reliability of the Estimates (continued)

the larger of the two estimates from which the movement is derived. In this case the estimate of 75,000 is the larger. From Table B it will be seen that the standard error of the monthly movement is about 2,325. Therefore there are about two chances in three that if all dwellings had been included in the survey the movement would have been in the range +22,675 to +27,325 and about 19 chances in 20 that it would have been within the range +20,350 to +29,650.

Table A - Standard Errors of Estimates

Size of estimate	Standard error	Per cent of estimate
persons	No.	%
(a) 3,000	750	25.0
3,500	800	22.9
4,000	850	21.3
4,500	900	20.0
5,000	950	19.0
6,000	1,050	17.5
10,000	1,300	13.0
20,000	1,750	8.8
50,000	2,550	5.1
100,000	3,300	3.3
200,000	4,200	2.1
300,000	4,850	1.6
500,000	5,700	1.1
1,000,000	7,100	0.7
2,000,000	8,600	0.4

(a) Estimates below 3,000 have not been published (see text above).

Table B - Standard Errors of Estimates of Monthly Movements

Size of larger estimate	Standard error of estimate of monthly movements	Size of larger estimate	Standard error of estimate of monthly movements
3,000	730	50,000	2,050
3,500	770	100,000	2,600
4,000	810	200,000	3,350
4,500	850	300,000	3,900
5,000	880	500,000	4,700
6,000	940	1,000,000	6,100
10,000	1,150	2,000,000	7,800
20,000	1,450		

The relative standard errors of estimates of average hours worked and median duration of unemployment are obtained by first finding the relative standard error of the estimate of the total number of persons contributing

to the estimate (see Table A or Table D) and then multiplying the figure so obtained by the factors 0.7 for average hours worked and 2.0 for median duration of unemployment.

Publication cut-off points for these and other estimates are shown in Table C. Because of higher relative standard errors, estimates of median duration of unemployment have higher cut-off points for publication than other estimates as shown in Tables A and D.

Table C - Publication Cut-off Points for Labour Force Estimates

Estimates classified by	Number of persons
Average hours worked	1,500
Median duration of unemployment	10,800
Other Queensland estimates	3,000
Regional estimates	See Tables D and E

The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude.

Proportions and percentages (for example, participation rates) formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and denominator. The formula for the relative standard error (RSE) of a proportion or percentage is given below.

$$RSE \left( \frac{x}{y} \right) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

Standard errors contained in Tables A, B, D and E are designed to provide an average standard error applicable for all monthly labour force survey estimates. Analysis of standard errors applicable to particular survey estimates has shown that the standard errors on estimates of employment are generally equivalent to those shown in Tables A, B, D and E, while standard errors for unemployment and persons not in the labour force are approximately 3 per cent lower and 6 per cent higher, respectively, than those shown in the tables.

The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in the recording and coding of data, and errors made in the processing of data. Inaccuracies of this kind are referred to as the non-sampling error, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.



Table D - Standard Errors of Regional Labour Force Estimates (a)

Brisbane Statistical Division													
Size of estimate	Brisbane City Inner Ring		Brisbane City Outer Ring		South and East BSD Balance		North and West BSD Balance		Total				
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	%
2,400	*	*	600	25.0	*	*	*	*	*	*	*	*	*
2,500	560	24.8	610	24.4	620	24.8	620	24.8	*	*	*	*	*
3,000	680	22.7	670	22.3	680	22.7	680	22.7	750	25.0			
3,500	730	20.9	720	20.6	730	20.9	730	20.9	800	22.9			
4,000	790	19.8	780	19.5	790	19.8	790	19.8	850	21.3			
4,500	840	18.7	830	18.4	840	18.7	840	18.7	900	20.0			
5,000	880	17.6	870	17.4	880	17.6	880	17.6	950	19.0			
6,000	970	16.2	960	16.0	970	16.2	970	16.2	1,050	17.5			
8,000	1,150	14.4	1,100	13.8	1,150	14.4	1,150	14.4	1,150	14.4			
10,000	1,250	12.5	1,250	12.5	1,250	12.5	1,250	12.5	1,300	13.0			
20,000	1,850	9.3	1,800	9.0	1,850	9.3	1,850	9.3	1,750	8.8			
30,000	2,250	7.5	2,250	7.5	2,250	7.5	2,250	7.5	2,050	6.8			
40,000	2,650	6.6	2,600	6.5	2,650	6.6	2,650	6.6	2,300	5.8			
50,000	3,000	6.0	2,950	5.9	3,000	6.0	3,000	6.0	2,550	5.1			
100,000	4,350	4.4	4,300	4.3	4,350	4.4	4,350	4.4	3,300	3.3			
200,000	6,400	3.2	6,300	3.2	6,400	3.2	6,400	3.2	4,200	2.1			



Table D - Standard Errors of Regional Labour Force Estimates (a) (continued)

Size of estimate	Balance of Queensland															
	South and East Moreton		North and West Moreton		Wide Bay-Burnett		Darling Downs-South West		Mackay-Fitzroy-Central West		Northern-North West		Far North		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
2,700	*	*	*	*	670	24.8	670	24.8	*	*	*	*	*	*	*	*
2,800	700	25.0	700	25.0	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*
3,000	730	24.3	730	24.3	710	23.7	710	23.7	*	*	*	*	*	*	750	25.0
3,500	790	22.6	790	22.6	770	22.0	770	22.0	*	*	*	*	*	*	800	22.9
3,600	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	900	25.0	900	25.0	n.a.	n.a.
4,000	840	21.0	840	21.0	820	20.5	820	20.5	*	*	940	23.5	940	23.5	850	21.3
4,200	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,050	25.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4,500	890	19.8	890	19.8	880	19.6	880	19.6	1,100	24.4	1,000	22.2	1,000	22.2	900	20.0
5,000	950	19.0	950	19.0	930	18.6	930	18.6	1,150	23.0	1,050	21.0	1,050	21.0	950	19.0
6,000	1,050	17.5	1,050	17.5	1,000	16.7	1,000	16.7	1,250	20.8	1,200	20.0	1,200	20.0	1,050	17.5
8,000	1,200	15.0	1,200	15.0	1,200	15.0	1,200	15.0	1,450	18.1	1,360	17.0	1,360	17.0	1,150	14.4
10,000	1,350	13.5	1,350	13.5	1,350	13.5	1,350	13.5	1,650	16.5	1,550	15.5	1,550	15.5	1,300	13.0
20,000	1,950	9.8	1,950	9.8	1,900	9.5	1,900	9.5	2,400	12.0	2,200	11.0	2,200	11.0	1,750	8.8
30,000	2,450	8.2	2,450	8.2	2,400	8.0	2,400	8.0	2,950	9.8	2,730	9.1	2,730	9.1	2,050	6.8
40,000	2,850	7.1	2,850	7.1	2,800	7.0	2,800	7.0	3,450	8.6	3,190	8.0	3,190	8.0	2,300	5.8
50,000	3,200	6.4	3,200	6.4	3,150	6.3	3,150	6.3	3,900	7.8	3,600	7.2	3,600	7.2	2,550	5.1
100,000	4,650	4.7	4,650	4.7	4,550	4.6	4,550	4.6	5,700	5.7	5,300	5.3	5,300	5.3	3,300	3.3
200,000	6,800	3.4	..	..	..	..	..	..	8,300	4.2	..	..	..	..	4,200	2.1

(a) Regional estimates smaller than those shown in this table are not published.



Table E - Standard Errors for Monthly Movements of Regional Estimates

Size of estimate	Brisbane Statistical Division					Balance of Queensland							
	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East BSD Balance	North and West BSD Balance	Total	South and East Moreton	North and West Moreton	Wide Bay-Burnett	Darling Downs-South West	Mackay-Fitzroy-Central West	Northern-North West	Far North	Total
2,500	560	500	540	540	680	480	480	550	550	560	590	590	680
3,000	600	540	580	580	730	510	510	600	600	600	650	650	730
4,000	670	600	650	650	810	580	580	670	670	680	720	720	810
5,000	740	660	700	700	880	630	630	730	730	740	780	780	880
6,000	790	710	770	770	940	680	680	790	790	790	840	840	940
8,000	890	800	860	860	1,050	760	760	880	880	890	940	940	1,050
10,000	970	870	940	940	1,150	830	830	960	960	970	1,050	1,050	1,150
20,000	1,250	1,150	1,250	1,250	1,450	1,100	1,100	1,250	1,250	1,300	1,350	1,350	1,450
30,000	1,500	1,350	1,450	1,450	1,700	1,300	1,300	1,500	1,500	1,500	1,600	1,600	1,700
40,000	1,700	1,500	1,650	1,650	1,900	1,450	1,450	1,650	1,650	1,700	1,800	1,800	1,900
50,000	1,850	1,650	1,800	1,800	2,050	1,550	1,550	1,800	1,800	1,850	1,950	1,950	2,050
100,000	2,400	2,150	2,350	2,350	2,600	2,050	2,050	2,400	2,400	2,400	2,550	2,550	2,600
200,000	3,200	2,850	3,100	3,100	3,350	2,700	..	..	..	3,200	3,400	..	3,350



Table 0 - Standard Errors of Regional Labour Force Estimates (a) (continued)

Size of estimate	Balance of Queensland										Far North	Total
	South and East Moreton	North and West Moreton	Wide Bay- Surrey	Darling Downs- South West	Rocky-Fitzroy- Central West	Northern- North West						
50,000	3'500	3'400	3'100	3'400	3'200	3'400	3'400	3'400	3'400	3'400	3'400	3'400
40,000	3'400	3'300	3'000	3'300	3'100	3'300	3'300	3'300	3'300	3'300	3'300	3'300
30,000	3'300	3'200	2'900	3'200	3'000	3'200	3'200	3'200	3'200	3'200	3'200	3'200
20,000	3'200	3'100	2'800	3'100	2'900	3'100	3'100	3'100	3'100	3'100	3'100	3'100
10,000	3'100	3'000	2'700	3'000	2'800	3'000	3'000	3'000	3'000	3'000	3'000	3'000
5,000	3'000	2'900	2'600	2'900	2'700	2'900	2'900	2'900	2'900	2'900	2'900	2'900
2,000	2'900	2'800	2'500	2'800	2'600	2'800	2'800	2'800	2'800	2'800	2'800	2'800
1,000	2'800	2'700	2'400	2'700	2'500	2'700	2'700	2'700	2'700	2'700	2'700	2'700
500	2'700	2'600	2'300	2'600	2'400	2'600	2'600	2'600	2'600	2'600	2'600	2'600
200	2'600	2'500	2'200	2'500	2'300	2'500	2'500	2'500	2'500	2'500	2'500	2'500
100	2'500	2'400	2'100	2'400	2'200	2'400	2'400	2'400	2'400	2'400	2'400	2'400
50	2'400	2'300	2'000	2'300	2'100	2'300	2'300	2'300	2'300	2'300	2'300	2'300
20	2'300	2'200	1'900	2'200	2'000	2'200	2'200	2'200	2'200	2'200	2'200	2'200
10	2'200	2'100	1'800	2'100	1'900	2'100	2'100	2'100	2'100	2'100	2'100	2'100
5	2'100	2'000	1'700	2'000	1'800	2'000	2'000	2'000	2'000	2'000	2'000	2'000
2	2'000	1'900	1'600	1'900	1'700	1'900	1'900	1'900	1'900	1'900	1'900	1'900
1	1'900	1'800	1'500	1'800	1'600	1'800	1'800	1'800	1'800	1'800	1'800	1'800
500	1'800	1'700	1'400	1'700	1'500	1'700	1'700	1'700	1'700	1'700	1'700	1'700
200	1'700	1'600	1'300	1'600	1'400	1'600	1'600	1'600	1'600	1'600	1'600	1'600
100	1'600	1'500	1'200	1'500	1'300	1'500	1'500	1'500	1'500	1'500	1'500	1'500
50	1'500	1'400	1'100	1'400	1'200	1'400	1'400	1'400	1'400	1'400	1'400	1'400
20	1'400	1'300	1'000	1'300	1'100	1'300	1'300	1'300	1'300	1'300	1'300	1'300
10	1'300	1'200	900	1'200	1'000	1'200	1'200	1'200	1'200	1'200	1'200	1'200
5	1'200	1'100	800	1'100	900	1'100	1'100	1'100	1'100	1'100	1'100	1'100
2	1'100	1'000	700	1'000	800	1'000	1'000	1'000	1'000	1'000	1'000	1'000
1	1'000	900	600	900	700	900	900	900	900	900	900	900
500	900	800	500	800	600	800	800	800	800	800	800	800
200	800	700	400	700	500	700	700	700	700	700	700	700
100	700	600	300	600	400	600	600	600	600	600	600	600
50	600	500	200	500	300	500	500	500	500	500	500	500
20	500	400	100	400	200	400	400	400	400	400	400	400
10	400	300	0	300	100	300	300	300	300	300	300	300
5	300	200	0	200	0	200	200	200	200	200	200	200
2	200	100	0	100	0	100	100	100	100	100	100	100
1	100	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0

(a) Regional estimates smaller than those shown in this table are not published.



## **QUEENSLAND LABOUR FORCE PUBLICATION Catalogue No. 6201.3**

The February 1988 edition of the publication *The Labour Force, Queensland* (Catalogue No. 6201.3) will not be issued.

Copies of tables containing February 1988 data not included in time series tables are available on request by contacting Bevin Morris on (07) 222 6029. The normal charges for providing unpublished statistics will apply.

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14 September 1988











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